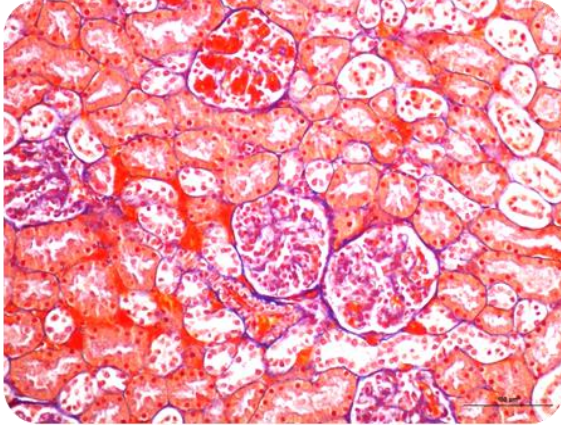


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COLORATIONS SPECIALES - 2023 - SPECIAL STAINS



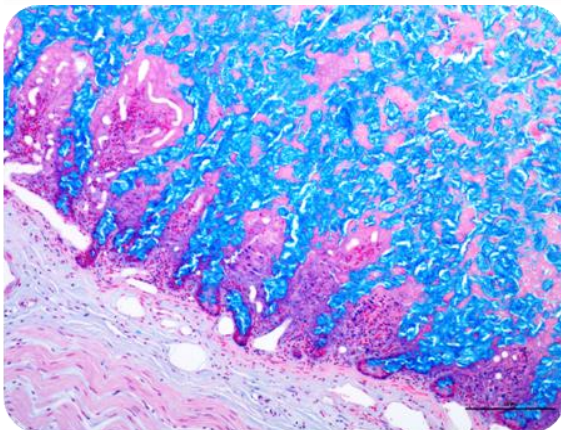
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VISUALISATION DES DEPOTS DE PROTEINES DANS LES GLOMERULES DU REIN

STAINING TO VISUALIZE PROTEIN DEPOSITS IN RENAL GLOMERULI

⇒ RESULTATS: PROTEINES EN ROUGE, ERYTHROCYTES EN JAUNE, NOYAUX EN NOIR, MEMBRANES BASALES EN BLEU

⇒ RESULTS: PROTEIN IN RED, ERYTHROCYTES IN YELLOW, NUCLEI IN BLACK, BASAL MEMBRANES IN BLUE



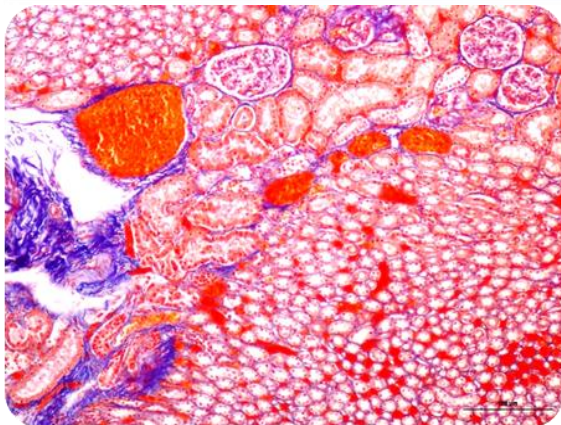
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VISUALISATION DES MUCOPOLYSACCHARIDES, MUCINES ACIDES, ET CARTILAGE

VISUALIZATION OF ACID MUCOPOLYSACCHARIDES, MUCINS, AND CARTILAGE

⇒ RESULTATS: MUCOPOLYSACCHARIDES EN BLEU, NOYAUX EN ROSE

⇒ RESULTS: MUCOPOLYSACCHARIDES IN BLUE, NUCLEI IN PINK



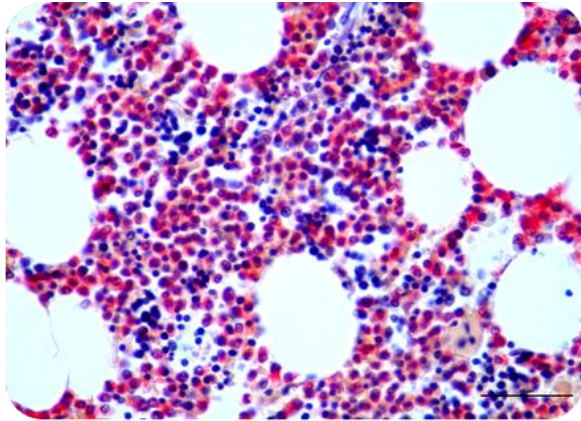
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VISUALISATION DES FIBRES MUSCULAIRES, DU COLLAGENE ET DE LA STRUCTURE DU GLOMERULE RENAL

VISUALIZATION OF MUSCLE FIBERS, COLLAGEN AND THE STRUCTURE OF RENAL GLOMERULUS

⇒ RESULTATS: COLLAGENE EN BLEU, FIBRES MUSCULAIRES EN ROUGE

⇒ RESULTS: COLLAGEN IN BLUE, MUSCLE FIBERS IN RED



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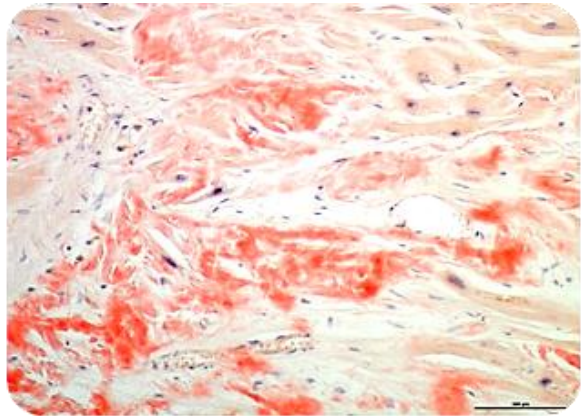
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DETECTION DE NAPHTOL AS-D
CHLORACETATE ESTERASE DES NEUTROPHILES

STAINING OF NAPHTOL AS-D CHLOROACETATE ESTERASE
FOR DETECTING NEUTROPHILS

⇒ RESULTATS: NEUTROPHILES EN ROUGE

⇒ RESULTS: NEUTROPHILS IN RED



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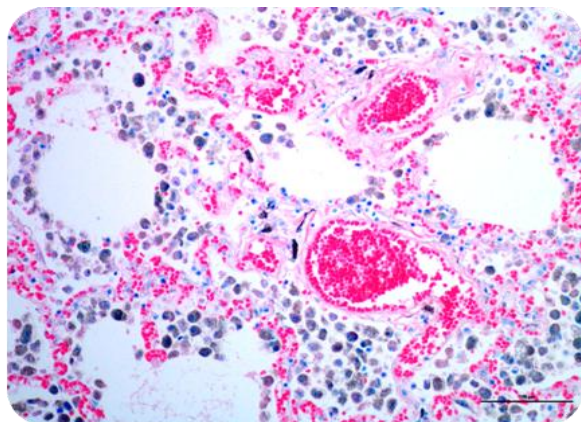
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VISUALISATION DES DEPOTS DE SUBSTANCE AMYLOIDE

VISUALIZATION OF AMYLOID DEPOSITS

⇒ RESULTATS: DEPOTS DE SUBSTANCE AMYLOIDE EN ROUGE

⇒ RESULTS: AMYLOID DEPOSITS IN RED



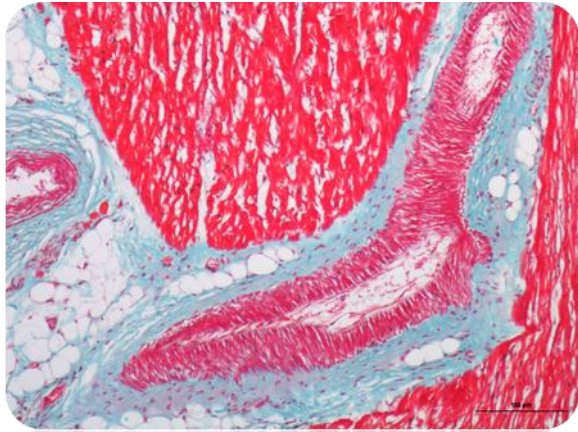
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DETECTION DES MASTOCYTES

VISUALIZATION OF MAST CELLS

⇒ RESULTATS: MASTOCYTES EN BLEU VIOLET

⇒ RESULTS: MAST CELLS IN PURPLE BLUE



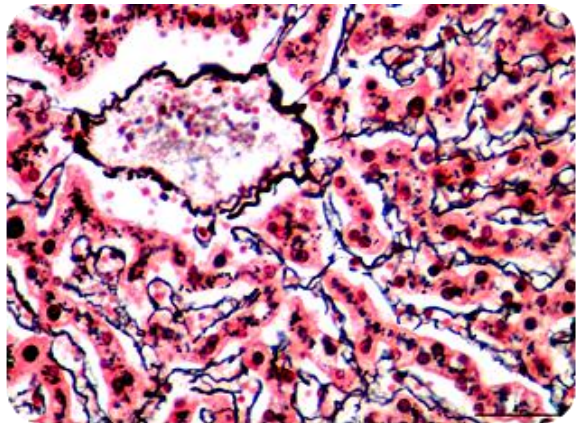
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COLORATION TRICHROMIQUE POUR LE TISSU CONJONCTIF ET LE TISSU MUSCULAIRE

TRICHROME STAINING TO VISUALIZE CONNECTIVE TISSUE AND MUSCLE FIBERS

⇒ RESULTATS: FIBRES MUSCULAIRES ET CYTOPLASME EN ROUGE
NOYAUX EN NOIR, ERYTHROCYTES EN ORANGE,
TISSU CONJONCTIF EN VERT

⇒ RESULTS: MUSCLE FIBERS AND CYTOPLASM IN RED,
NUCLEI IN BLACK, ERYTHROCYTES IN ORANGE
CONNECTIVE TISSUE IN GREEN



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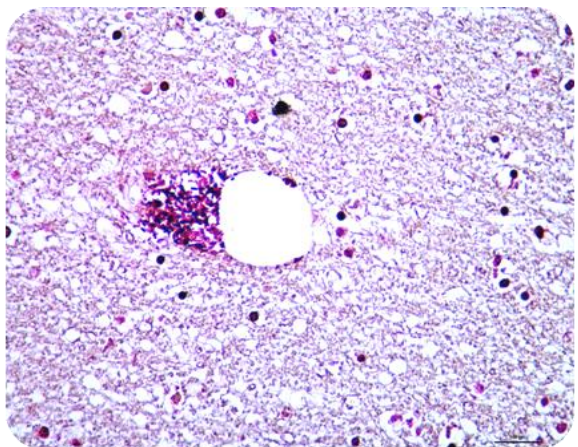
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MISE EN EVIDENCE DES FIBRES DE RETICULINE

STAINING TO VISUALIZE RETICULIN FIBERS

⇒ RESULTATS: FIBRES DE RETICULINE EN NOIR

⇒ RESULTS: RETICULIN FIBERS IN BLACK



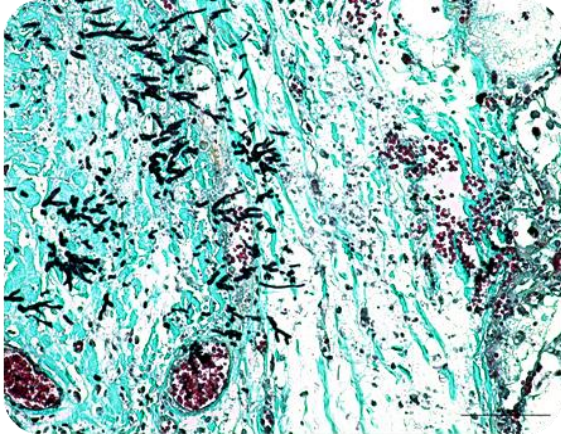
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DETECTION DES BACTERIES **GRAM +** ET **GRAM -**

DETECTION OF **GRAM +** AND **GRAM -** BACTERIA

⇒ RESULTATS: BACTERIES **GRAM +** EN BLEU ET **GRAM -** EN ROSE

⇒ RESULTS: **GRAM +** BACTERIA IN BLUE AND **GRAM -** BACTERIA IN PINK

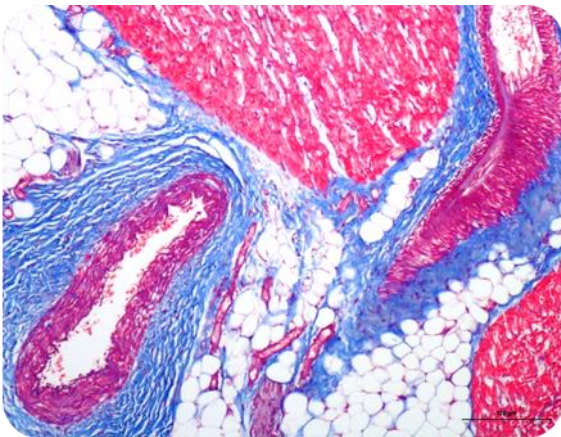


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MISE EN EVIDENCE DE LEVURES, CHAMPIGNONS ET PARASITES

VISUALIZATION OF YEAST, FUNGI AND PARASITES

- ⇒ RESULTATS: LEVURES, CHAMPIGNONS ET PARASITES EN NOIR
- ⇒ RESULTS: YEAST, FUNGI AND PARASITES IN BLACK

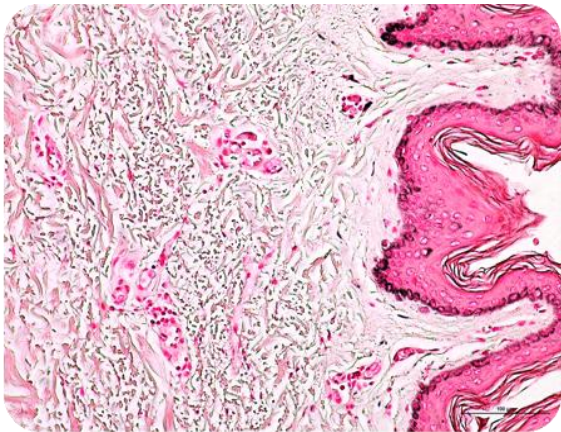


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COLORATION TRICHROMIQUE POUR LE TISSU CONJONCTIF ET LE TISSU MUSCULAIRE

TRICHROME STAINING TO VISUALIZE CONNECTIVE TISSUE AND MUSCLE FIBERS

- ⇒ RESULTATS: FIBRES MUSCULAIRES ET CYTOPLASME EN ROUGE
NOYAUX EN NOIR, ERYTHROCYTES EN ORANGE
TISSUE CONJONCTIF EN BLEU
- ⇒ RESULTS: MUSCLE FIBERS AND CYTOPLASM IN RED
NUCLEI IN BLACK, ERYTHROCYTES IN ORANGE
CONNECTIVE TISSUE IN BLUE



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MISE EN EVIDENCE DE LA MELANINE ET DES CELLULES ARGENTAFFINES

VISUALIZATION OF MELANIN AND ARGENTAFFIN CELLS

- ⇒ RESULTATS: MELANINE EN NOIR
- ⇒ RESULTS: MELANIN IN BLACK



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COLORATION TRICHROMIQUE POUR L'ELASTINE

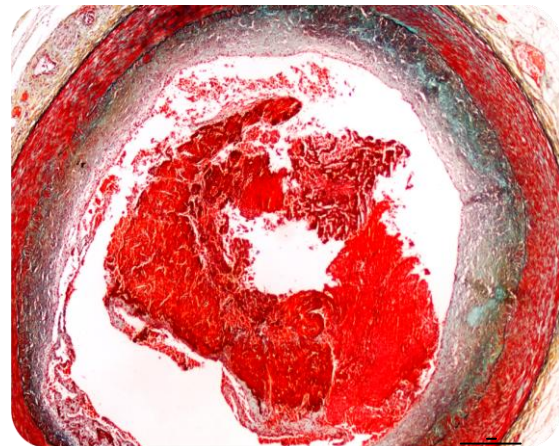
TRICHROME STAINING TO VISUALIZE ELASTIN

⇒ **RESULTATS: ELASTINE EN NOIR**

**CYTOPLASME EN JAUNE, COLLAGENE EN ROUGE,
NOYAUX EN NOIR, ERYTHROCYTES EN ORANGE**

⇒ **RESULTS: ELASTIN IN BLACK**

**CYTOPLASM IN YELLOW, COLLAGEN IN RED
NUCLEI IN BLACK, ERYTHROCYTES IN ORANGE**



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COLORATION PENTACHROMIQUE POUR MISE EN EVIDENCE DU COLLAGENE, DU TISSU MUSCULAIRE, DE L'ELASTINE, DES MUCINES ET DE FIBRINE. PARTICULIEREMENT INDIQUEE POUR LES PATHOLOGIES CARDIOVASCULAIRES.

PENTACHROME STAINING FOR THE VISUALISATION OF COLLAGEN, MUSCLE, ELASTIN, MUCINS AND FIBRIN. ESPECIALLY INDICATED FOR CARDIOVASCULAR PATHOLOGIES.

⇒ **RESULTATS: CARTILAGE EN VERT**

COLLAGENE EN JAUNE

ELASTINE EN NOIR

FIBRINE EN ROUGE

MUCINES EN BLEU-VERT

MUSCLE EN ROUGE

NOYAUX EN NOIR

⇒ **RESULTS: CARTILAGE IN GREEN**

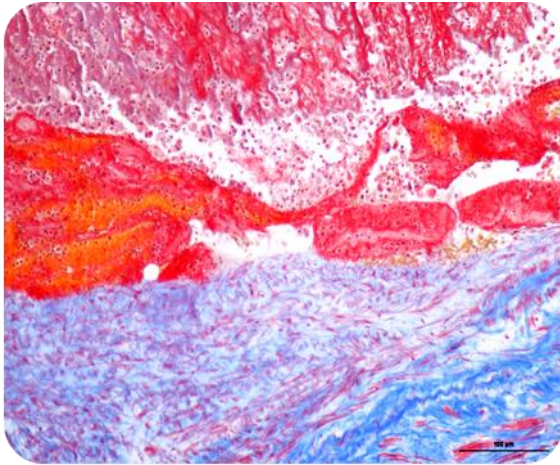
COLLAGENE EN JAUNE

ELASTIN IN BLACK

FIBRIN IN RED

MUCINS IN BLU-GREEN

MUSCLE IN RED

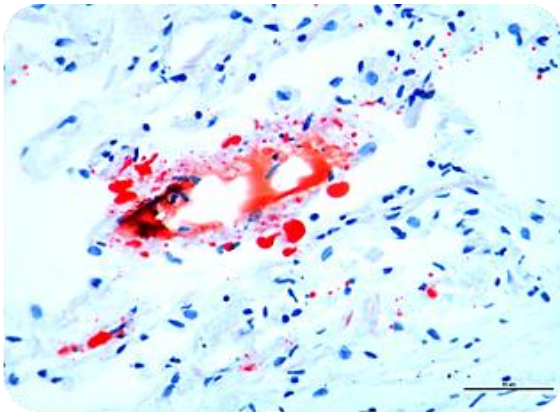


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COLORATION TRICHROMIQUE POUR LA FIBRINE, LE COLLAGÈNE ET LES ERYTHROCYTES

TRICHROME STAINING FOR FIBRIN, RED CELLS AND COLLAGEN

- ⇒ **RESULTATS:** FIBRINE ANCIENNE EN ROUGE
FIBRINE FRAÎCHE EN JAUNE
CYTOPLASME EN ROUGE, COLLAGÈNE EN BLEU
NOYAUX EN NOIR, ERYTHROCYTES EN JAUNE
- ⇒ **RESULTS:** OLD FIBRIN IN RED
FRESH FIBRIN IN YELLOW
CYTOPLASM IN RED, COLLAGEN IN BLUE
NUCLEI IN BLACK, ERYTHROCYTES IN YELLOW

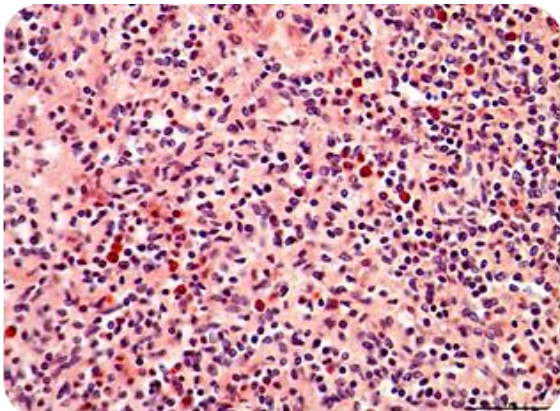


OIL-RED-O
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MISE EN EVIDENCE DES LIPIDES DANS DES COUPES A CONGELATION

VISUALIZATION OF LIPIDS ON FROZEN SECTIONS

- ⇒ **RESULTATS:** LIPIDES EN ROUGE
- ⇒ **RESULTS:** LIPIDS IN RED

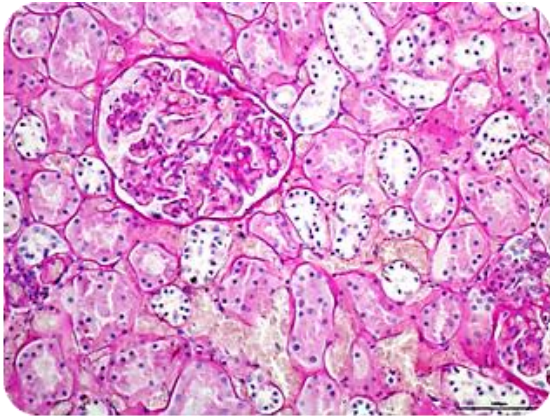


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VISUALISATION DES MASTOCYTES LORS DE CHOC ANAPHYLACTIQUE

VISUALIZATION OF MAST CELLS IN ANAPHYLACTIC SHOCK

- ⇒ **RESULTATS:** MASTOCYTES EN ROUGE
- ⇒ **RESULTS:** MAST CELLS IN RED



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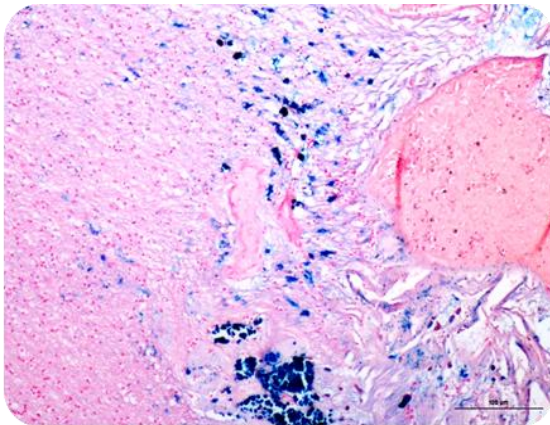
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VISUALISATION DES MUCINES, DES MEMBRANES BASALES ET DU GLYCOGENE

STAINING TO VISUALIZE MUCINS, BASAL MEMBRANES AND GLYCOGEN

⇒ RESULTATS: MUCOPOLYSACCHARIDES AND GLYCOGENE EN ROSE
⇒ RESULTS: MUCOPOLYSACCHARIDES AND GLYCOGEN IN PINK



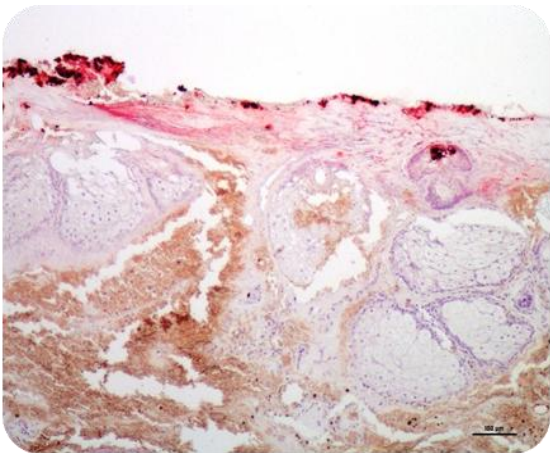
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COLORATION SELECTIVE POUR LES COMPLEXES INSOLUBLES CONTENANT DU FER (HEMOSIDERINE)

VISUALIZATION OF INSOLUBLE COMPLEXES CONTAINING IRON (HEMOSIDERIN)

⇒ RESULTATS: HEMOSIDERINE EN BLEU
TISSU CONJONCTIF ET NOYAUX EN ROSE
⇒ RESULTS: HEMOSIDERIN IN BLUE
CONNECTIVE TISSUE AND NUCLEI IN PINK

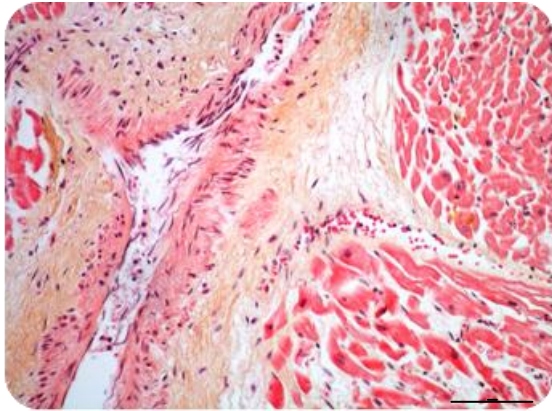


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MISE EN EVIDENCE DES RESIDUS DE TIR

VISUALIZATION OF GUNSHOT RESIDUES

⇒ RESULTATS: RESIDUS DE TIR EN ROSE-ROUGE
⇒ RESULTS: GUNSHOT RESIDUES IN PINK-RED



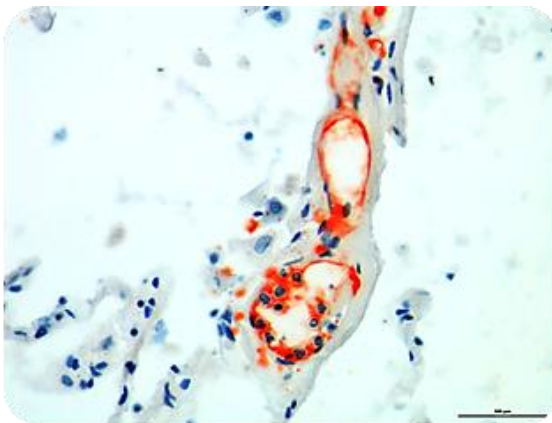
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COLORATION DU TISSU COLLAGENE, DU CYTOPLASME ET DES NOYAUX

VISUALIZATION OF COLLAGEN TISSUE, CYTOPLASM AND NUCLEI

⇒ *RESULTATS: TISSU COLLAGEN EN JAUNE*
NOYAUX EN VIOLET
CYTOPLASME EN ROSE
⇒ *RESULTS: COLLAGEN TISSUE IN YELLOW*
NUCLEI IN PURPLE
CYTOPLASM IN PINK



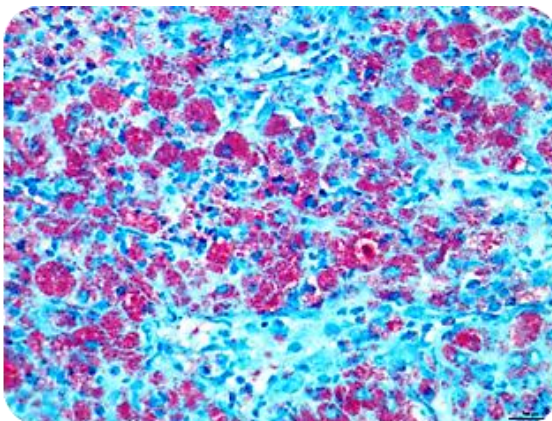
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MISE EN EVIDENCE DES LIPIDES DANS DES COUPES A CONGELATION

VISUALIZATION OF LIPIDS ON FROZEN SECTIONS

⇒ *RESULTATS: LIPIDES EN ROUGE*
⇒ *RESULTS: LIPIDS IN RED*



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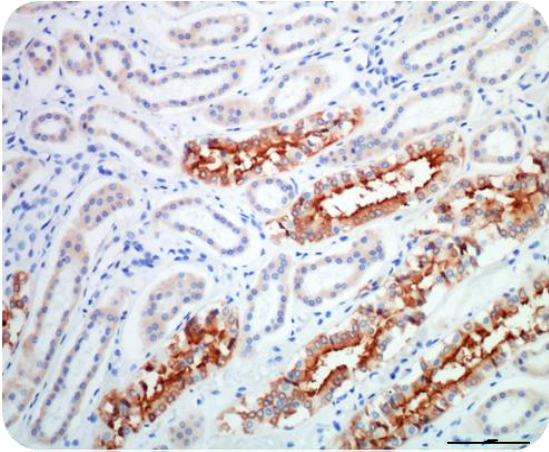
DETECTION DES MYCO-BACTERIES
(COMME LE BACILLE DE KOCH)

DETECTION OF MYCOBACTERIA (AS KOCH'S BACILLUS)

⇒ *RESULTATS: MYCO-BACTERIES ET BACILLE DE KOCH EN VIOLET-ROUGE*
⇒ *RESULTS: MYCO-BACTERIA AND KOCH'S BACILLUS IN PURPLE-RED*

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IMMUNOHISTOCHEMIE - 2023 - IMMUNOHISTOCHEMISTRY



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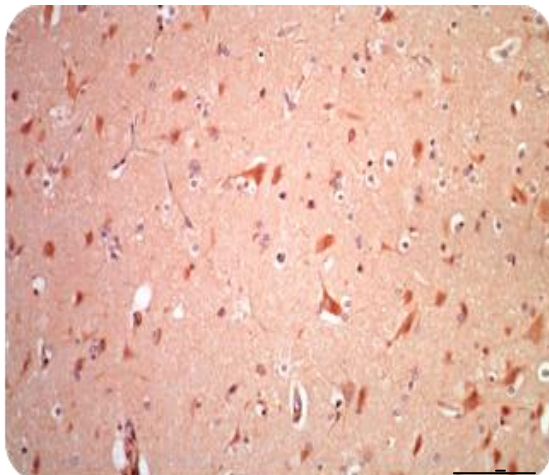
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AQP2 EST UNE PROTEINE IMPLIQUEE DANS LE TRANSPORT D'EAU
DANS LE TUBULE RENAL, NOTAMMENT DANS LE TUBE COLLECTEUR.

AQP2 IS INVOLVED IN RENAL TUBULAR WATER TRANSPORT,
MAINLY IN THE COLLECTING DUCT.

⇒ RESULTATS: AQP2 EN BRUN

⇒ RESULTS: AQP2 IN BROWN



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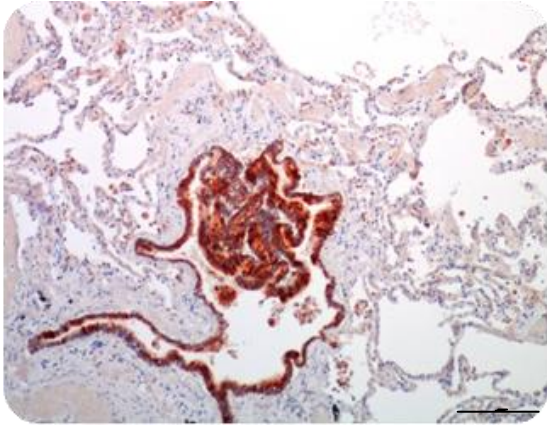
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AQP4 JOUE UN ROLE ESSENTIEL DANS L'EQUILIBRE HYDRIQUE
NOTAMMENT DU CERVEAU ET DE LA MOELLE EPINIERE

AQP4 PLAYS AN IMPORTANT ROLE NAMELY IN BRAIN AND SPINAL
CORD WATER BALANCE

⇒ RESULTATS: AQP4 EN BRUN

⇒ RESULTS: AQP4 IN BROWN



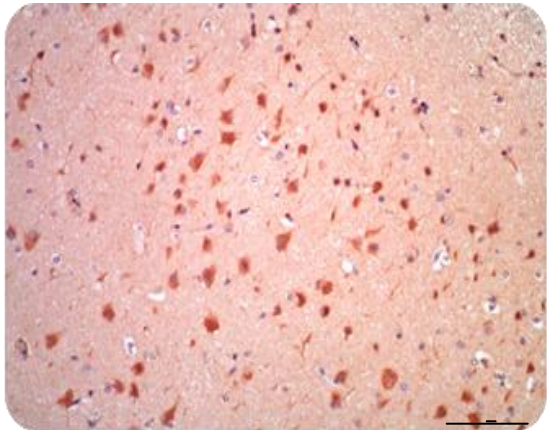
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AQP5 EST LA PROTEINE PRINCIPALE IMPLIQUEE DANS LE TRANSPORT D'EAU DANS LES POUMONS (EPITHELIUMS ALVEOLAIRE, TRACHEAL ET BRONCHIAL).

AQP5 IS A MAJOR WATER CHANNEL PROTEIN IN THE LUNGS, EXPRESSED IN THE ALVEOLAR, TRACHEAL AND BRONCHIAL EPITHELIUM.

⇒ RESULTATS: AQP5 EN BRUN
⇒ RESULTS: AQP5 IN BROWN



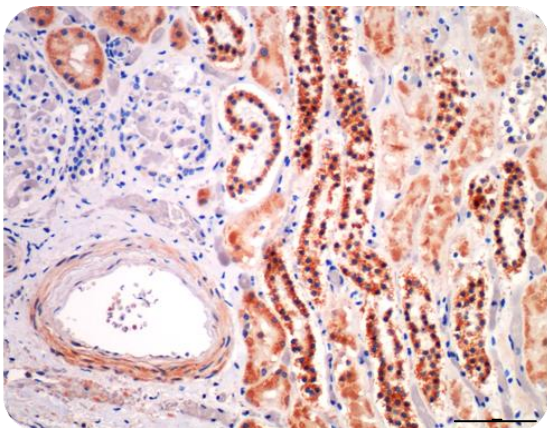
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AQP9 JOUE UN ROLE IMPORTANT DANS LE METABOLISME ENERGETIQUE CEREBRAL.

AQP9 PLAYS AN IMPORTANT ROLE IN BRAIN ENERGY METABOLISM.

⇒ RESULTATS: AQP9 EN BRUN
⇒ RESULTS: AQP9 IN BROWN



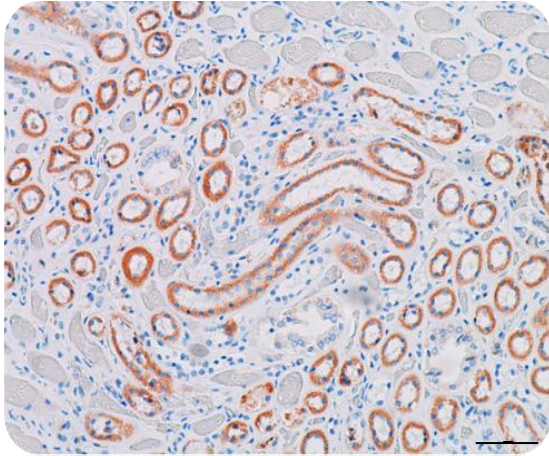
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LA VASOPRESSINE EST UNE HORMONE ANTI-DIURETIQUE.

VASOPRESSIN IS AN ANTIDIURETIC HORMONE.

⇒ RESULTATS: AVP EN BRUN
⇒ RESULTS: AVP IN BROWN



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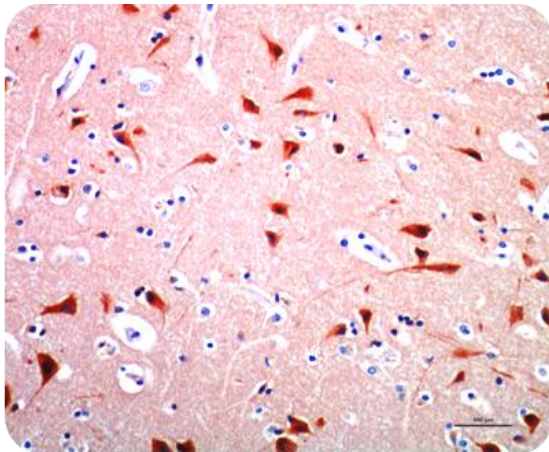
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LE RECEPTEUR 2 DE LA VASOPRESSINE EST UNE PROTEINE
EXPRIMEE AU NIVEAU RENAL.

VASOPRESSIN RECEPTOR 2 IS A PROTEIN THAT ACTS AS
RECEPTOR FOR VASOPRESSIN. IT IS ESPRESSED IN THE KIDNEY
TUBULE.

⇒ RESULTATS: AVPR V2 EN BRUN

⇒ RESULTS: AVPR V2 IN BROWN



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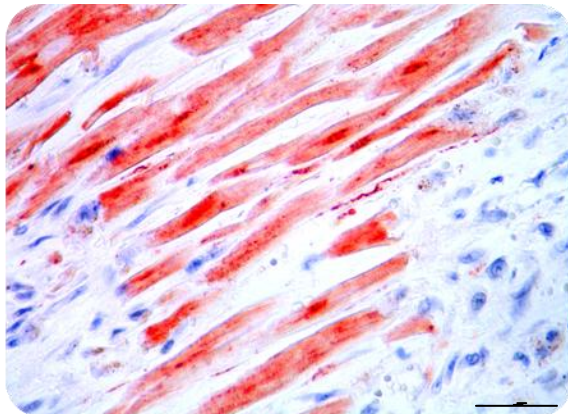
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DETECTION DU DOMMAGE AXONAL

DETECTION OF AXONAL DAMAGE

⇒ RESULTATS: BETA-APP EN BRUN

⇒ RESULTS: BETA-APP IN BROWN



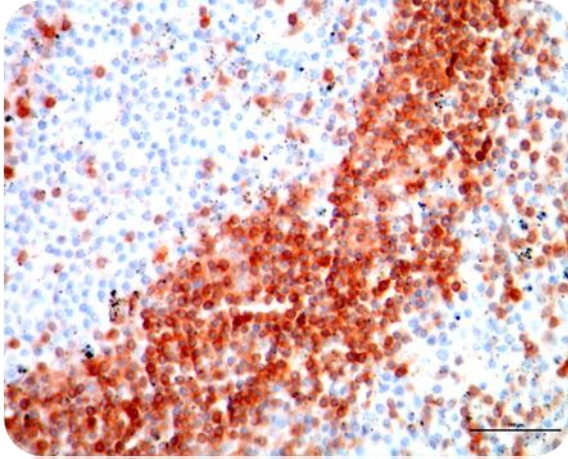
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MARQUEUR DE NECROSE MUSCULAIRE, NOTAMMENT
MYOCARDIQUE. TRES RESISTANT A LA PUTREFACTION

MARKER OF MUSCULAR NECROSIS, NAMELY MYOCARDIAL.
VERY RESISTANT TO PUTREFACTION

⇒ RESULTATS: C5B9 EN ROUGE-BRUN

⇒ RESULTS: C5B9 IN RED-BROWN



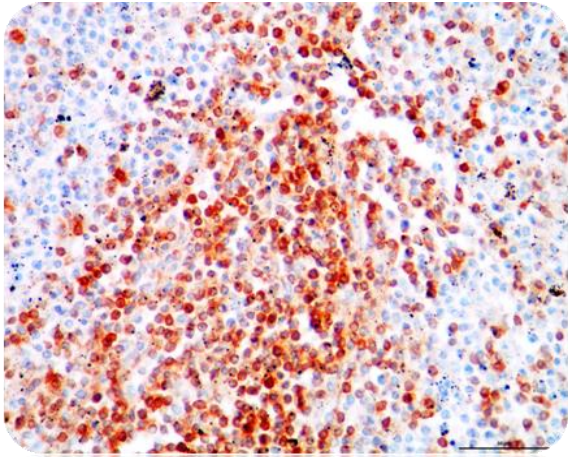
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GLYCOPROTEINE EXPRIMEE DANS LES MONOCYTES ET LES
MACROPHAGES

GLYCOPROTEIN EXPRESSED IN MONOCYTES AND MACROPHAGES

⇒ RESULTATS: CD68 EN BRUN

⇒ RESULTS: CD68 IN BROWN



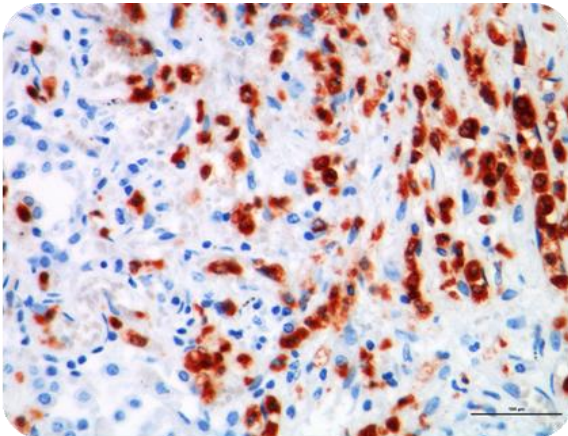
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COMPLEXE PROTEIQUE MEMBRANAIRE, EXPRIME A LA SURFACE
DES LYMPHOCYTES T

PROTEIC MEMBRANE COMPLEX ON THE SURFACE OF T CELLS

⇒ RESULTATS: CD3 EN BRUN

⇒ RESULTS: CD3 IN BROWN



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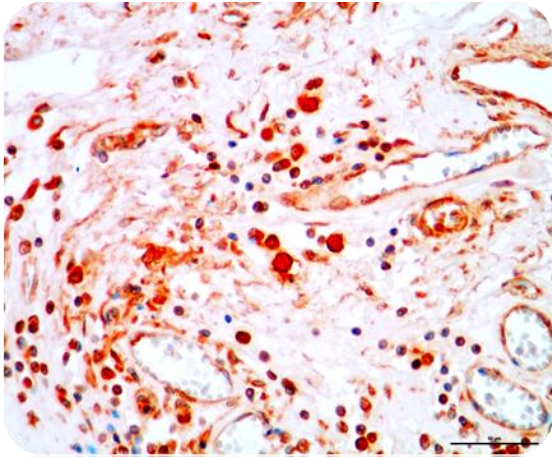
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MARQUEUR DE CELLULES HEMATOPOIETIQUES, A L'EXCEPTION
DES ERYTHROCYTES ET DES PLAQUETTES

MARKER OF HEMATOPOIETIC CELLS, EXCEPT ERYTHROCYTES
AND PLATELETS

⇒ RESULTATS: CD45 EN BRUN

⇒ RESULTS: CD45 IN BROWN

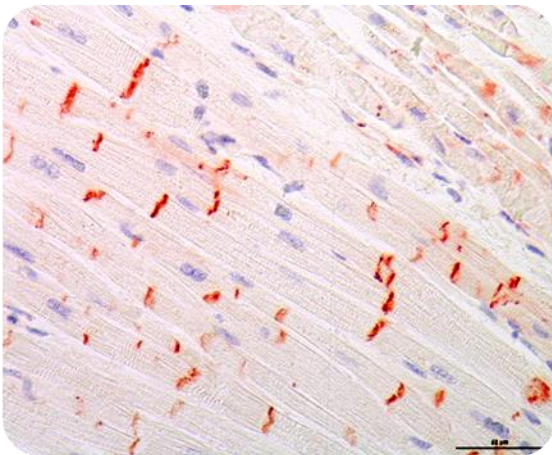


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GLYCOPROTEINE EXPRIMEE DANS LES MASTOCYTES

GLYCOPROTEIN EXPRESSED IN MAST CELLS

⇒ RESULTATS: CD117 EN BRUN
⇒ RESULTS: CD117 IN BROWN



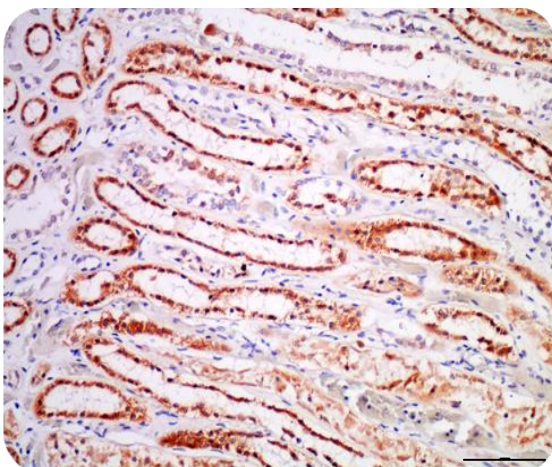
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PROTEINE TRANSMEMBRANAIRE DES JONCTIONS COMMUNICANTES. A L'ETAT DEPHOSPHORYLE, EST UN MARQUEUR PRECOCE D'ISCHEMIE MYOCARDIQUE (MODELES EXPERIMENTAUX)

GAP JUNCTIONAL PROTEIN. DEPHOSPHORYLATED CONNEXIN-43 IS AN EARLY MARKER OF MYOCARDIAL ISCHEMIA (EXPERIMENTAL MODELS)

⇒ RESULTATS: CONNEXIN (CX-43) EN ROUGE
⇒ RESULTS: CONNEXIN (CX-43) IN RED



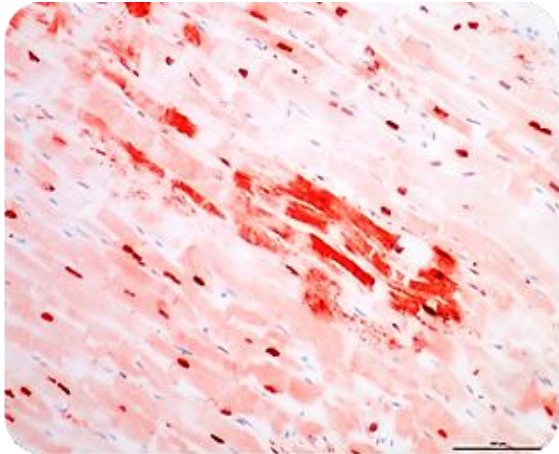
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FACTEUR DE LA COAGULATION SANGUINE

VON WILLEBRAND FACTOR VIII PLAYS A MAJOR ROLE IN BLOOD COAGULATION.

⇒ RESULTATS: FACTOR VIII EN BRUN
⇒ RESULTS: FACTOR VIII IN BROWN



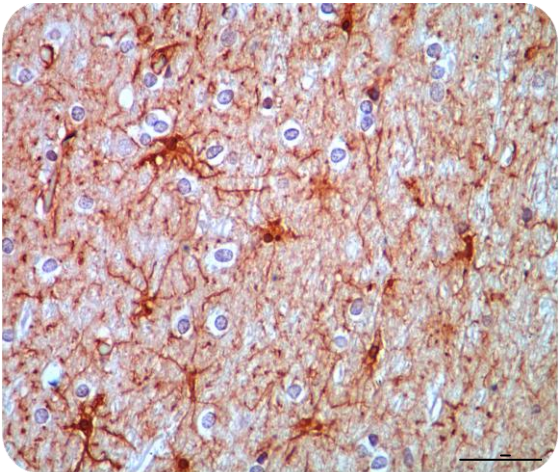
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MARQUEUR PRECOCE D'ISCHEMIE MYOCARDIQUE

EARLY MARKER OF MYOCARDIAL ISCHEMIA

⇒ RESULTATS: FIBRONECTINE EN ROUGE

⇒ RESULTS: FIBRONECTIN IN RED



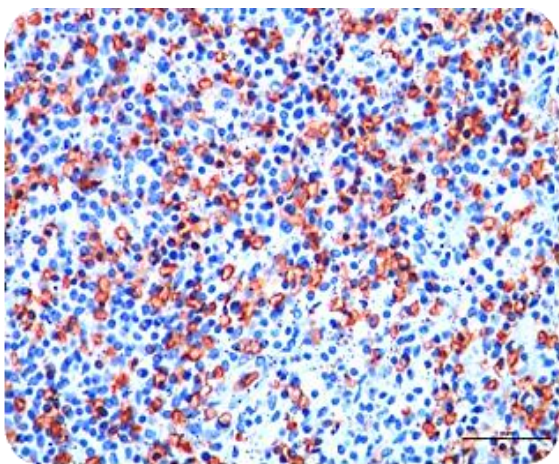
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PROTEINE DES FILAMENTS INTERMEDIAIRES DE CERTAINES CELLULES GLIALES DU SYSTÈME NERVEUX CENTRAL, NOTAMMENT DES ASTROCYTES

INTERMEDIATE FILAMENT PROTEIN OF SOME GLIAL CELLS OF CENTRAL NERVOUS SYSTEM, NOTAMLY OF ASTROCYTES

⇒ RESULTATS: GFAP EN BRUN

⇒ RESULTS: GFAP IN BROWN



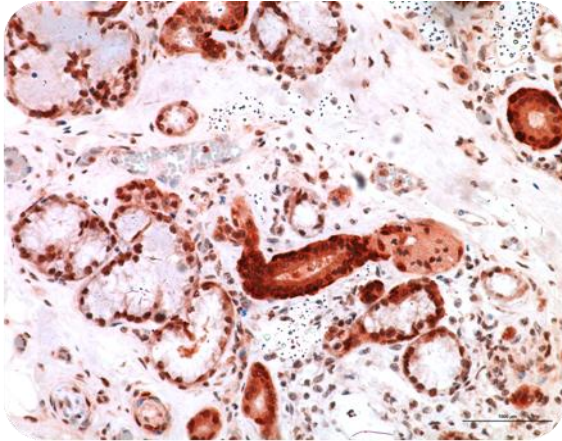
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GLYCOPROTEINE EXPRIMEE PAR LES CELLULES ERYTHROIDES DANS PRESQUE TOUS LES STADES DE DIFFERENCIATION. ELLE PERMET D'IDENTIFIER LES GLOBULES ROUGES, MEME DANS DU TISSU ALTERE

GLYCOPROTEIN EXPRESSED BY ERYTHROID CELLS AT ALMOST ALL STAGES OF DIFFERENTIATION. IT IDENTIFIES RED CELLS EVEN IN PUTREFIED TISSUE

⇒ RESULTATS: GLYCOPHORINE EN BRUN

⇒ RESULTS: GLYCOPHORIN IN BROWN



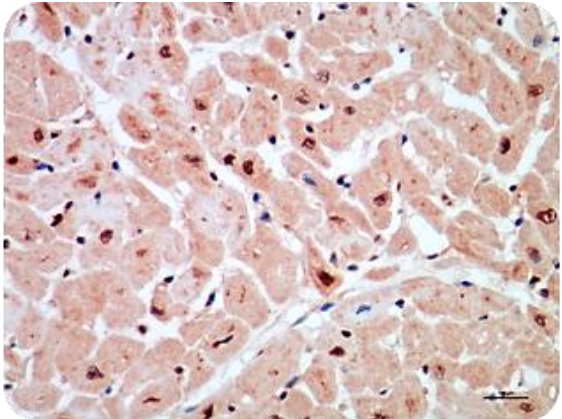
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MARQUEUR, ENTRE AUTRES, DE CHOC THERMIQUE

MARKER OF HEAT SHOCK (AMONG OTHERS)

⇒ RESULTATS: HSP70 EN BRUN

⇒ RESULTS: HSP70 IN BROWN



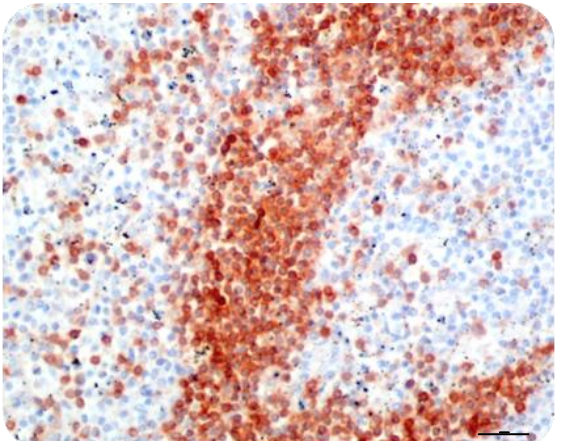
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FACTEUR DE TRANSCRIPTION IMPLIQUE DANS LA REGULATION DE L'ACTIVITE DES GENES DANS DIFFERENTES FONCTIONS CELLULAIRES. MARQUEUR D'ISCHEMIE MYOCARDIQUE PRECOCE (MODELES EXPERIMENTAUX)

TRANSCRIPTION FACTOR INVOLVED IN THE REGULATION OF GENE ACTIVITY IN DIFFERENT CELL FUNCTIONS. EARLY MYOCARDIAL ISCHEMIA MARKER (EXPERIMENTAL MODELS).

⇒ RESULTATS: JUNB EN BRUN (NOYAUX)

⇒ RESULTS: JUNB IN BROWN (NUCLEI)



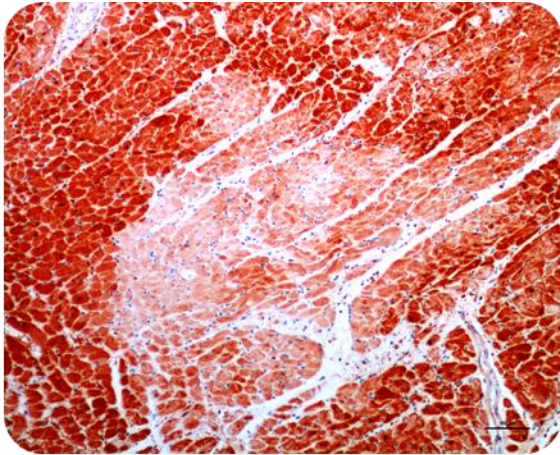
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MARQUEUR DES MONOCYTES ET DES MACROPHAGES LORS D'INFLAMMATIONS CHRONIQUES

MONOCYTES AND MACROPHAGES MARKER IN CHRONIC INFLAMMATION

⇒ RESULTATS: MRP8 EN BRUN

⇒ RESULTS: MRP8 IN BROWN



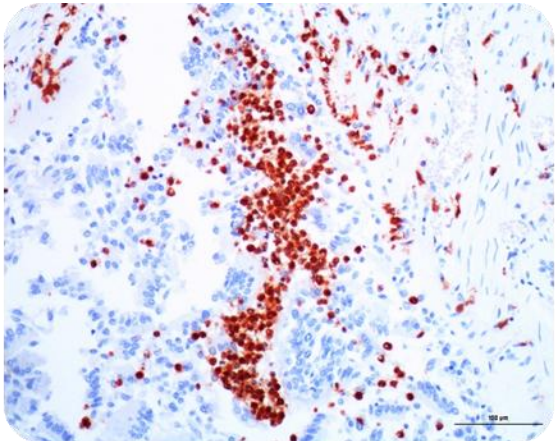
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MARQUEUR NEGATIF (DEPLETION) CYTOPLASMIQUE D'INFARCTUS MYOCARDIQUE

NEGATIF CYTOPLASMIC MARKER (DEPLETION) OF MYOCARDIAL INFARCTION

⇒ *RESULTATS: CARDIOMYOCYTES SAINS EN ROUGE-BRUN. CARDIOMYOCYTES NECROTIQUES NON COLORES*

⇒ *RESULTS: HEALTHY CARDIOMYOCYTES STAINED IN RED-BROWN. NECROTIC CARDIOMYOCYTES UNSTAINED*



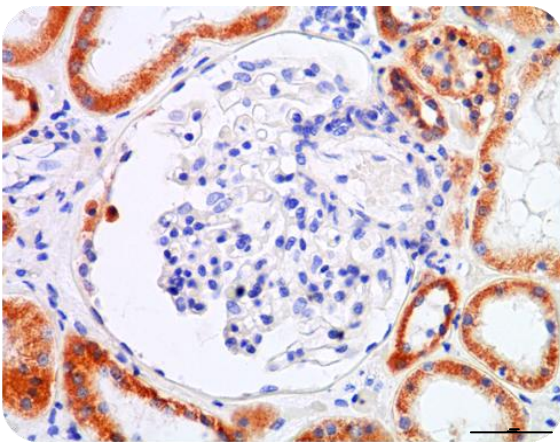
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SERINE-PROTEASE CONTENUE DANS LES GRANULES CYTOPLASMIQUES DE TOUS LES NEUTROPHILES. TRES RESISTANT A LA PUTREFACTION

SERINE PROTEASE CONTAINED IN CYTOPLASMIC GRANULES OF ALL NEUTROPHILS. VERY RESISTANT TO PUTREFACTION

⇒ *RESULTATS: NP57 EN BRUN*

⇒ *RESULTS: NP57 IN BROWN*



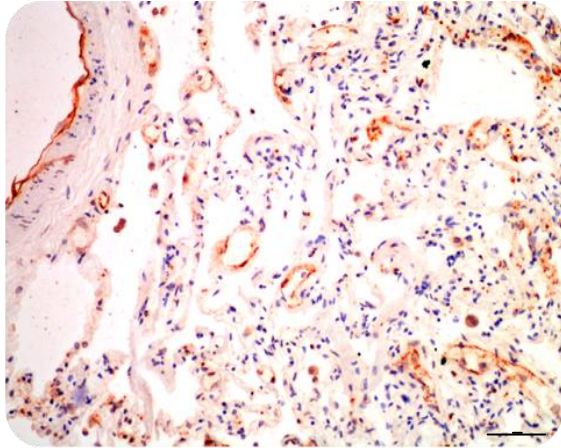
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ENZYME RENAL IMPLIQUE DANS LE CONTRÔLE DE LA PRESSION SANGUINE.

RENAL ENZYME INVOLVED IN THE CONTROL OF BLOOD PRESSURE

⇒ *RESULTATS: RENIN EN BRUN*

⇒ *RESULTS: RENIN IN BROWN*



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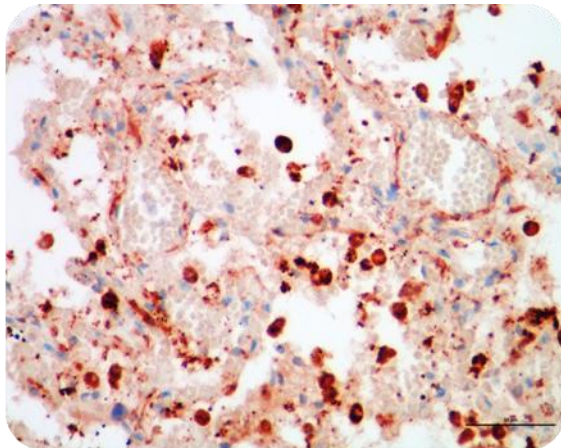
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MOLECULE D'ADHESION CELLULAIRE, EXPRIMEE PAR LES PLAQUETTES ET LES CELLULES ENDOTHELIALES ACTIVEES.

CELL-ADHESION MOLECULE EXPRESSED IN ACTIVATED PLATELETS AND ENDOTHELIAL CELLS

⇒ RESULTATS: CD62P EN BRUN

⇒ RESULTS: CD62P IN BROWN



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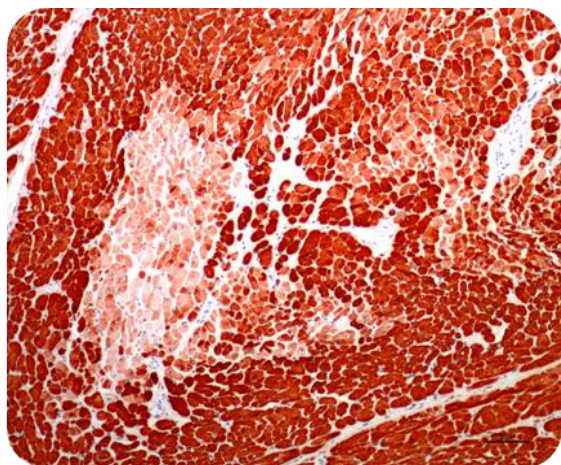
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PROTEINE DU SURFACTANT PULMONAIRE A

LUNG SURFACTANT PROTEIN A

⇒ RESULTATS: SPA EN BRUN

⇒ RESULTS: SPA IN BROWN



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MARQUEUR NEGATIF (DEPLETION) CYTOPLASMIQUE D'INFARCTUS MYOCARDIQUE

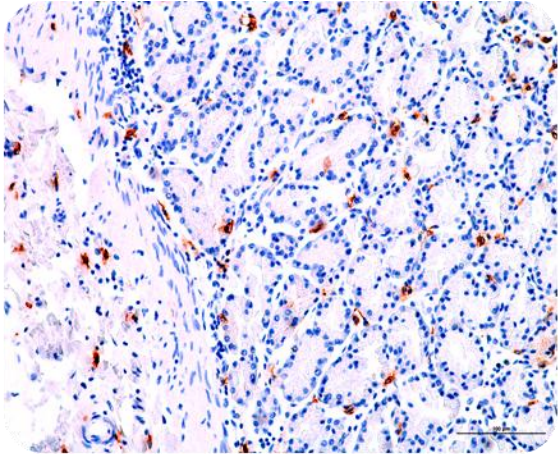
NEGATIVE CYTOPLASMIC MARKER (DEPLETION) OF MYOCARDIAL INFARCTION

⇒ RESULTATS: CARDIOMYOCYTES SAINS EN ROUGE-BRUN.

CARDIOMYOCYTES NECROTIQUES NON COLORES

⇒ RESULTS: HEALTHY CARDIOMYOCYTES STAINED IN RED-BROWN.

NECROTIC CARDIOMYOCYTES UNSTAINED



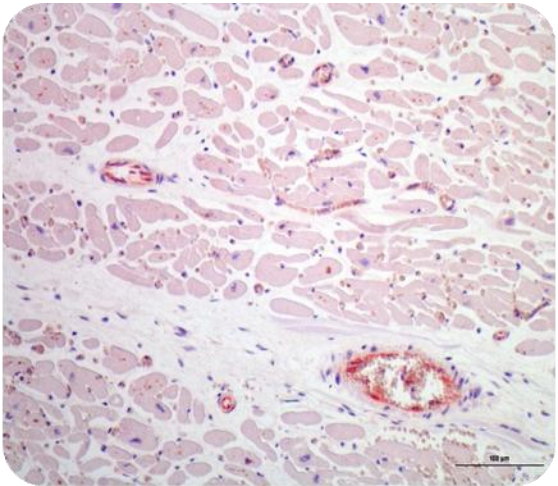
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SERINE-PROTEASE CONTENUE DANS LES GRANULES
CYTOPLASMIQUES DES MASTOCYTES

SERINE PROTEASE CONTAINED IN CYTOPLASMIC GRANULES
OF MAST CELLS

⇒ RESULTATS: TRYPTASE EN BRUN

⇒ RESULTS: TRYPTASE IN BROWN



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FACTEUR DE CROISSANCE DE L'ENDOTHELIUM VASCULAIRE,
IMPLIQUE DANS L'ANGIOGENESE

VASCULAR ENDOTHELIAL GROWTH FACTOR B (VEGF-B), INVOLVED
IN ANGIOGENESIS

⇒ RESULTATS: VEGF-B EN BRUN (CELLULES ENDOTHELIALES)

⇒ RESULTS: VEGF-B IN BROWN (ENDOTHELIAL CELLS)