ANTIBODIES	REACTIVTY
Inflammation & immunomodulators	
CD3 (2GV6), Rabbit mAb	H
CD4 (SP35), Rabbit mAb	H
CD8 (C8/144B), Mouse mAb	H
CD20 (L-26), Mouse mAb	H
CD21 (2G9), Rabbit mAb	H
CD23 (SP23), Rabbit mAb	H
CD45RO (UCH-L1), Mouse mAb	H (not M)
CD68 (KP1), Mouse mAb	H (not M, Pg)
CD80 (37711), Mouse mAb	H
CD163 (10D6), Mouse mAb	H
CXCR4 (44716), Mouse mAb	H
FOXP3 (236A/E7), Mouse mAb	H (not M*)
HMGB1, Rabbit pab	H, M*, R* (not Rb*)
HOX1, Rabbit pAb	H, Pg
IL-8 (H-60), Rabbit pAb	H
IL-17 (H-132), Rabbit pAb	H, M*
MPO, Rabbit pAb	H, Pg, M*, R*, Mk*
YLK40, Rabbit pAb	H
Growth factors/receptors	
IGF-1 (W18), Mouse mAb	H
IGF-1R (G11), Rabbit mAb	H
IGF-1R, Rabbit pAb	H
IGF-2, Rabbit pAb	H, M*, R*
IGF-2R (H-300), Rabbit pAb	H
IGFBP2 (C-18), Goat pAb	H, Pg*
PlGF, Rabbit pAb	H
VEGF, Rabbit pAb	H
VEGFR-1 (Y103), Rabbit mAb	H
VEGFR-2 (55B11), Rabbit mAb	H, M*
PDGFRa, Rabbit pAb	H, M*
P-mTOR (Ser2448) (49F9), Rabbit mAb	H, M*, R*
Extracellular Matrix Proteins	
Collagen IV (CIV22), Mouse mAb	H
Collagen VII (4D2), Mouse mAb	H

ANTIBODIES	REACTIVTY
Proliferation, apoptosis & differentiation	
α-SMA (ASM-1), Mouse mAb	H, M
SMA (1A4), Mouse mAb	H (not M)
Cleaved Caspase-3 (Asp175), Rabbit pAb	H, M, R*, Mk*, B*, Dg*, Pg*
Cyclin D2, Rabbit pAb	H
CDX2 (EPR2764Y), Rabbit mAb	H, M
Elastase (EPR7479), Rabbit mAb	H (not M*, R*)
Ki67 (30-9), Rabbit mAB	H, M
Mef2c, Rabbit pAb	H, M, R*
P53 (BP53-11), Mouse mAb	H
P63 (7JUL), Mouse mAb	H, M
S100A2 (S100L), Mouse mAb	H, R*, Pg*
Cell interaction, adhesion & migration	
CALML3, Rabbit pAb	H
CD29 (7F10), Mouse mAb	H
CD42b (EPR6995),Rabbit Mab	H
CD44 (156-3C11), Mouse mAb	H
CD49e / Integrin α 5 (EPR7854), Rabbit mAb	H, M*, R*
Connexin 43, Rabbit pAb	H, M, R*
EpCAM, Rabbit pAb	H, M*, R*
Gal1, Rabbit pAb	H
Gal3 (9C4) Mouse mAb	H
MMP-2 (CA-4001/CA719E3C), Mouse mAb	H (not M*, R*)
MMP-9 (56-2A4), Mouse mAb	H, R*, Rb*
Synaptopodin (G1D4), Mouse mAb	H, M*,R* (not Rb*, C*)
SRF, Rabbit pAb	H
Troponin, Rabbit pAb	H, M*, R*, Pg*
Vimentin (V9), Mouse mAb	H, R (not M)
Blood/lymphatic vessels	
CD31 (JC70), Mouse mAb	H
CD34 (QBEnd/10), Mouse mAb	M
CD34 (RAM34), Rat mAb	H
ERG (EPR3864), Rabbit mAb	H
Podoplanin (D2-40), Mouse mAb	H, M

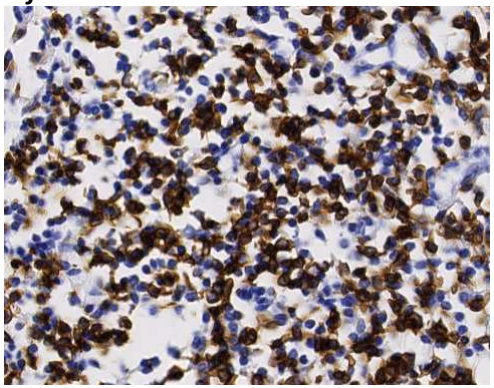
ANTIBODIES	REACTIVTY
Central Nervous Systems	
GFAP (6F2), Mouse mAb	H
MBP, Mouse mAb	H
Olig2, Rabbit pAb	H, M*, R*
Stem Cell Marker	
LEF-1 (C12A5), Rabbit mAb	H, M*, R*
Specific cell markers	
Ku80 (C48E7), Rabbit mAb	H (not M, R, Pg, C)
Mitochondria (113-1), Mouse mAb	H (not M, R, Pg)
Nestin (10C2), Mouse mAb	H (not M*, R*)
Hepatocyte (OCH1E5), Mouse mAb	H, M
Glucagon (K79bB10), Mouse mab	H, M*, R*, Pg*, Dg*
Insulin (K36AC10), Mouse Mab	H, R
NR2F2, Rabbit pAb	H, M

Reactivity: H human / M mouse / R rat / Rb rabbit / Mk monkey / B bovine / C chicken / Dg dog / Pg Pig

* must be confirmed

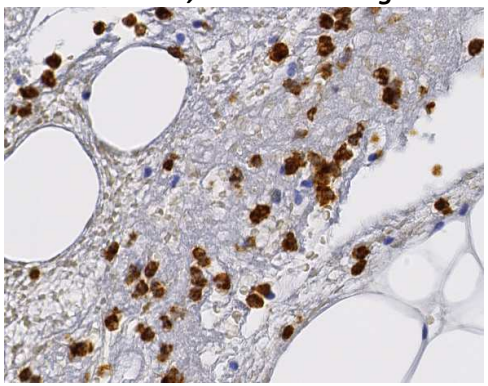
All processing IHC steps are performed using an automated IHC platform (Ventana Discovery XT, Ventana, Roche Diagnostics, Vilvoorde, Belgium) according SOP (Standardised Operating Procedures).

Inflammation & immunomodulators



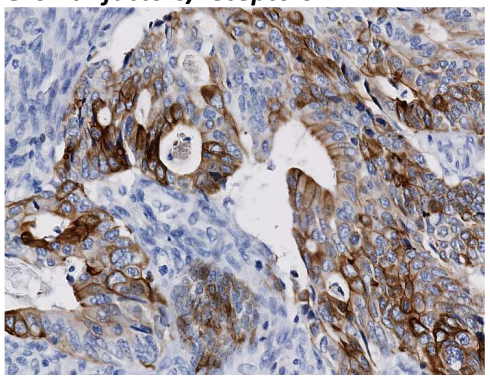
CD45RO (UCH-L1), Mouse mAb : IHC analysis of paraffin-embedded human tonsil.

Cell interaction, adhesion & migration



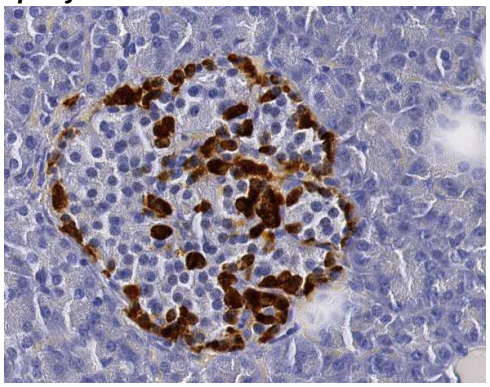
MMP-9 (56-2A4), Mouse mAb : IHC analysis of paraffin-embedded human aorta

Growth factors/receptors



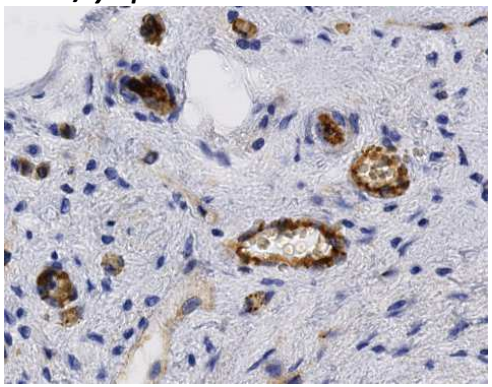
P-mTOR (Ser2448) (49F9), Rabbit mAb : IHC analysis of paraffin-embedded human colon adenocarcinoma

Specific cell markers



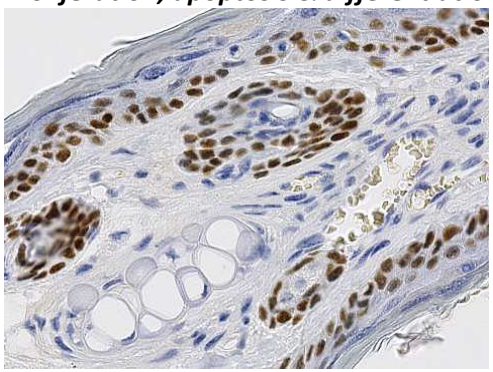
Glucagon (K79bB10), Mouse mab: IHC analysis of paraffin-embedded human pancreas

Blood/lymphatic vessels



CD31 (JC70), Mouse mAb : IHC analysis of paraffin-embedded human pancreas

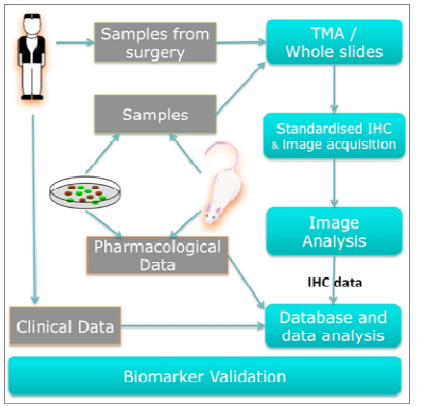
Proliferation, apoptosis & differentiation



P63 (7JUL), Mouse mAb : IHC analysis of paraffin-embedded mouse skin using a MOM (Mouse antibody on Mouse tissues) technical procedure.

DIAPath - CMMI

(**D**igital **I**mage **A**nalysis in **Path**ology)
(**C**enter of **M**olecular and **M**edical **I**maging)



DIAPATH is a multidisciplinary and inter-faculty unit (ULB Schools of Medicine and of Engineering) which offers an integrated solution to histological analysis as well as the identification, characterization and validation of tissue-based biomarkers. The methodology is based on standardized laboratory procedures and quality controls ensuring reproducibility and traceability. It involves the following technologies :

- macroscopic analysis (organs, tissues, etc.),
- microscopic histological analysis (using haematoxilin-eosin and special staining),
- tissue microarray (TMA) and cell-block (for cell line analysis),
- immunohistochemistry (IHC),
- whole slide imaging and image analysis,
- statistical data analysis.