Mouse Anti-MMP2 [8B4]: MC0551, MC0551RTU7

Intended Use: For Research Use Only

Description: MMPs are proteolytic enzymes capable of degrading connective tissue components. They have a common mode of activation, a conserved amino acid sequence in the putative metal binding-active site region, and are inhibited by specific tissue inhibitors of metalloproteinases (TIMPs). MMPa and TIMPs play a significant role in regulating angiogenesis. MMP2 is synthesized as a 631 amino acid proenzyme which is activated by cleavage of the first 80 amino acids. This antibody reacts with both latent and active MMP2.

Specifications

Clone:	8B4
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human, mouse, rat
Immunogen:	Activated recombinant human MMP2
Localization:	Cytoplasm
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C.
Applications:	IHC, ELISA, IF, IP, WB

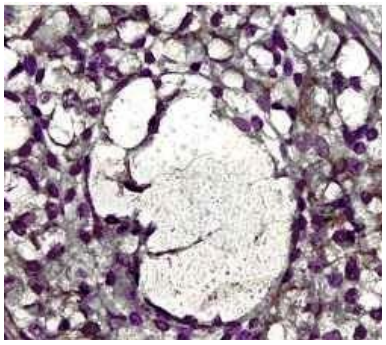
Package:

Description	Catalog No.	Size
MMP2 Concentrated	MC0551	1 ml
MMP2 Prediluted	MC0551RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Placenta, bladder, breast, ovarian cancer
Concentrated Dilution:	25-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human ovary stained with anti-MMP2 using AEC

References:

1. Matrix metalloproteinase-2 cleavage of the β1 integrin ectodomain facilitates colon cancer cell motility. Kryczka, J; et al. The Journal of biological chemistry. 287: 36556-66 2012.
2. Chromosome 7 and 19 trisomy in cultured human neural progenitor cells. Sareen, D; et al. PloS one 4 e7630, 2009.
3. Vascular matrix metalloproteinase-9 mediates the inhibition of myogenic reactivity in small arteries isolated from rats after short-term administration of relaxin. Jeyabalan, A; et al. Endocrinology 148: 189-97 2007.

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