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Product datasheet for TA590194

MMP9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB: 1:5000-1:20000; ELISA: 1:100-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody was made against a protein fragment from the C Terminus Region
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	0.9854 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	matrix metallopeptidase 9
Database Link:	NP_004985 Entrez Gene 4318 Human P14780

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Background: Matrix metalloproteinases (MMPs) are zinc-dependent endopeptidases that degrade substances within the extracellular matrix. The MMP family includes six different groups of enzymes: collagenases, gelatinases, stromelysins, transmembrane MMPs, matrilysins and others. MMPs are secreted as proenzymes that have to be cleaved in order to be activated. Other MMPs, plasmins as well as other factors activate MMPs. MMPs are thought to play an important role in tissue remodeling associated with various physiological and pathological processes. MMP9 degrades of proteins in the extracellular matrix and activates growth factors like proTGF beta and proTNF alpha. MMP9 contributes to the invasion and metastasis of various human malignancies. Clone F37P4A3 has been shown to be useful for western blotting, immunoflorence staining and immunohistochemistry of human, rabbit, dog, and pig acetylated MMP9.

Synonyms: CLG4B; GELB; MANDP2; MMP-9

Note: This antibody was generated by SDIX's Genomic Antibody Technology ® (GAT).Learn about GAT

Protein Families: Druggable Genome, Protease

Protein Pathways: Bladder cancer, Leukocyte transendothelial migration, Pathways in cancer