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MMP28 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MMP28.
Catalog # AT2882a

Product Information

Application	WB, E
Primary Accession	Q9H239
Other Accession	NM_024302
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3C11
Calculated MW	58939

Additional Information

Gene ID	79148
Other Names	Matrix metalloproteinase-28, MMP-28, 3424-, Epilysin, MMP28, MMP25
Target/Specificity	MMP28 (NP_077278, 441 a.a. ~ 520 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MMP28 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

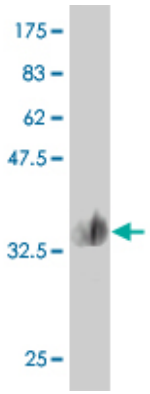
Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix for both normal physiological processes, such as embryonic development, reproduction and tissue remodeling, and disease processes, such as asthma and metastasis. This gene encodes a secreted enzyme that degrades casein. Its expression pattern suggests that it plays a role in tissue homeostasis and in wound repair. Transcript variants encoding different isoforms have been described.

References

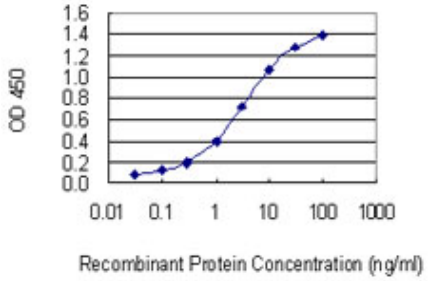
MMP28 gene expression is regulated by Sp1 transcription factor acetylation. Swingler TE, et al. Biochem J, 2010 Apr 14. PMID 20144149.Matrix metalloproteinase 28, a novel matrix metalloproteinase, is

constitutively expressed in human intervertebral disc tissue and is present in matrix of more degenerated discs. Gruber HE, et al. Arthritis Res Ther, 2009. PMID 20003223.Expression of MMP-10, MMP-21, MMP-26, and MMP-28 in Merkel cell carcinoma. Suomela S, et al. Virchows Arch, 2009 Dec. PMID 19921252.Epilysin (MMP-28) is deposited to the basolateral extracellular matrix of epithelial cells. Heiskanen TJ, et al. Matrix Biol, 2009 Mar. PMID 19379669.Expression and function of matrix metalloproteinase (MMP)-28. Rodgers UR, et al. Matrix Biol, 2009 Jun. PMID 19375502.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.54 KDa) .



Detection limit for recombinant GST tagged MMP28 is 0.03 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.