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Datasheet for ABIN759191
anti-MMP28 antibody (AA 201-300)

Overview

Quantity:	100 µL
Target:	MMP28
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MMP28 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MMP28
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Pig,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	MMP28
Alternative Name:	MMP-28 (MMP28 Products)

Target Details

Background: Synonyms: Epilysin, Matrix Metalloproteinase 28, MM 28, MM28, MMP 28, MMP-28, MMP28.

Background: Matrix Metalloproteinase 28, also known as epilysin, was first cloned from human skin keratinocytes and described to reflect its role in the remodeling of the epidermis. It was found in testis, as well as heart, brain, placenta, lung, prostate, intestine, and colon. MMP28 was later cloned from human lung and found in lung, kidney, brain, skeletal muscle, and several tumor cell lines. At least three MMP28 transcripts of 2.6, 2.0, and 1.2 kb have been reported possibly representing alternatively spliced forms of MMP28. There are two human sequences (isoform1 and isoform 2) which encode proteins of 520 and 393 amino acids with predicted masses of 58.9 and 44.5 kDa respectively. The mouse sequence contains two inserts of 41 and 39 amino acids respectively, relative to the human sequence. Mouse epilysin has a predicted molecular mass of approx. 70 kDa. Mouse and human epilysin are highly conserved and share 97 % identical residues. Epilysin (MMP-28) contains the key domains of the other MMPs: a signal peptide, conserved cysteine-containing prodomain (with a furin cleavage site), conserved histidine-containing catalytic domain, hinge domain, and hemopexin domain. MMP28 has a furin cleavage site, similar to MMP11, and is cleaved by the prohormone convertase family of enzymes. Sequence identity between MMP28 and the other MMPs is low overall. MMP28 is most closely related to MMP19 (39 % sequence identity). Recombinant MMP28 degrades casein.

Gene ID: 79148

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months