

Rabbit MMP28 Polyclonal Antibody | anti-MMP28 antibody

MMP28 Antibody

CATALOG # AAA323247	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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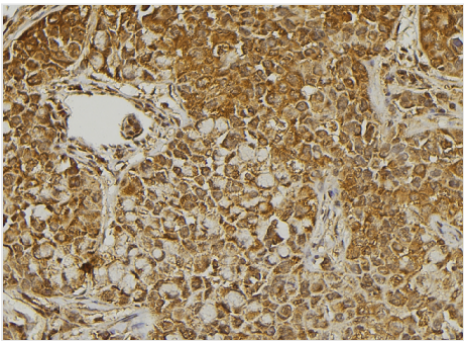
PRODUCT SYNONYMS

MMP28; Polyclonal Antibody; MMP28 Antibody; Epilysin; Matrix metalloproteinase 28; Matrix metalloproteinase-28; MM 28; MM28; MMP 25; MMP 28; MMP-28; MMP25; MMP28_HUMAN; anti-MMP28 antibody

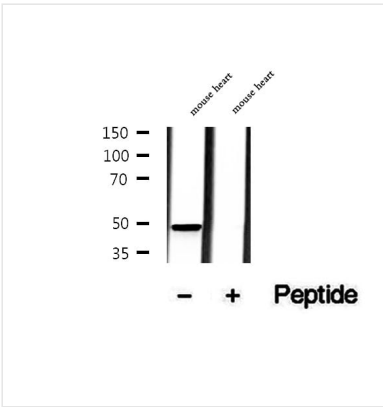
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MMP28 antibody detects endogenous levels of MMP28.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	130
Applicable Applications for anti-MMP28 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MMP28.
Subcellular Location	Secreted > Extracellular Space > Extracellular Matrix.
Tissue Specificity	Expressed at high levels in testes and lung. Low levels are detected in kidney, pancreas and skin. Also expressed in fetal lung, brain, skeletal muscle and kidney. Expressed selectively in keratinocytes. Widely expressed in several carcinomas as well. Is up-regulated in response to injury in the skin.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog
Similarity	Bovine (91%), Horse (100%), Sheep (91%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323247 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse heart tissue, using MMP28 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP28 antibody	Function: Can degrade casein. Could play a role in tissues homeostasis and repair. Post-translational Modifications: The precursor is cleaved by a furin endopeptidase. Similarity: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme. Belongs to the peptidase M10A family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73808271
NCBI GeneID	79148
NCBI Accession #	NP_001027449.1
NCBI GenBank Nucleotide #	NM_001032278.2
UniProt Accession #	Q9H239; Q96F04; Q96TE2
Molecular Weight	Observed: 48 kDa Predicted: 59 kDa
NCBI Official Full Name	matrix metalloproteinase-28 isoform 3
NCBI Official Synonym Full Names	matrix metalloproteinase 28
NCBI Official Symbol	MMP28
NCBI Official Synonym Symbols	MM28; MMP25; MMP-25; MMP-28; EPILYSIN
NCBI Protein Information	matrix metalloproteinase-28
UniProt Protein Name	Matrix metalloproteinase-28
UniProt Gene Name	MMP28
UniProt Synonym Gene Names	MMP25; MMP-28

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.