

Rabbit MMP25 Polyclonal Antibody | anti-MMP25 antibody

MMP25 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326883	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

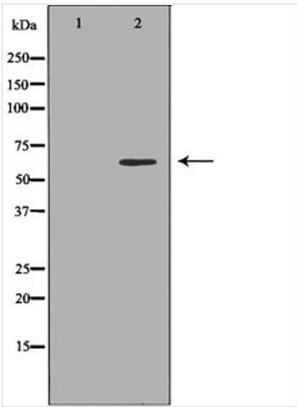
PRODUCT SYNONYMS

MMP25; Polyclonal Antibody; MMP25 Antibody; Leukolysin; matrix metallopeptidase 25; matrix metallopeptidase like 1; matrix metalloproteinase 20; Matrix Metalloproteinase 25; Matrix metalloproteinase 25 precursor; Matrix metalloproteinase-25; Membrane type 6 Matrix Metalloproteinase; Membrane type Matrix Metalloproteinase 6; Membrane-type matrix metalloproteinase 6; Membrane-type-6 matrix metalloproteinase; MMP 25; MMP-25; MMP20; MMP20A; MMP25_HUMAN; MMPL1; MT-MMP 6; MT6-MMP; MT6MMP; MTMMP6; anti-MMP25 antibody

PRODUCT SPECIFICATIONS

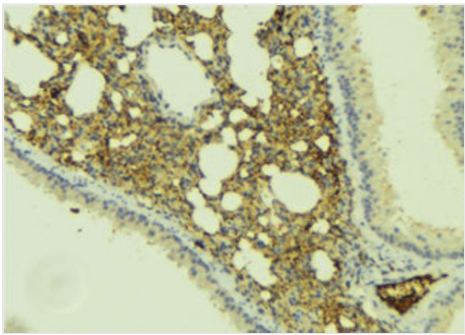
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MMP25 antibody detects endogenous levels of total MMP25
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	562
Applicable Applications for anti-MMP25 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human MMP25
Subcellular Location	Plasma Membrane
Tissue Specificity	Expressed predominantly in leukocytes, lung and spleen. Expressed also in colon carcinoma, astrocytoma and glioblastomas.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from MCF7, using MMP25 Ab. The lane on the left is treated with blocking peptide.



IHC (Immunohistochemistry)

AAA326883 at 1/100 staining Mouse lung 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.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP25 antibody

Description: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily, attached to the plasma membrane via a glycosylphosphatidyl inositol anchor. In response to bacterial infection or inflammation, the encoded protein is thought to inactivate alpha-1 proteinase inhibitor, a major tissue protectant against proteolytic enzymes released by activated neutrophils, facilitating the transendothelial migration of neutrophils to inflammatory sites. The encoded protein may also play a role in tumor invasion and metastasis through activation of MMP2. The gene has previously been referred to as MMP20 but has been renamed MMP25.

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11968059
NCBI GeneID	64386
NCBI Accession #	NP_071913.1
NCBI GenBank Nucleotide #	NM_022468.4
UniProt Accession #	Q9NPA2; Q9H3Q0; D3DUA8
Molecular Weight	63 kDa
NCBI Official Full Name	matrix metalloproteinase-25 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 25
NCBI Official Symbol	MMP25
NCBI Official Synonym Symbols	MMP20; MMPL1; MMP-25; MMP20A; MT6MMP; MTMMP6; MT-MMP6; MT6-MMP; MT-MMP 6
NCBI Protein Information	matrix metalloproteinase-25
UniProt Protein Name	Matrix metalloproteinase-25
UniProt Gene Name	MMP25
UniProt Synonym Gene Names	MMP20; MMPL1; MT6MMP; MMP-25; MT-MMP 6; MTMMP6; MT6-MMP; MT6MMP

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp25-antibody-immunohistochemistry-western-blot-elisa/326883>