

Rabbit Anti-MMP25/AP Conjugated antibody

SL18964R-AP

Product Name	Anti-MMP25/AP
Chinese Name	碱性磷酸酶（AP）标记的基质金属蛋白酶 25 抗体
Alias	Leukolysin; Leukolysin; matrix metallopeptidase 25; matrix metallopeptidase like 1; matrix metalloproteinase 20; Matrix Metalloproteinase 25; Matrix Metalloproteinase 25; Matrix metalloproteinase 25 precursor; Membrane type 6 Matrix Metalloproteinase; Membrane type Matrix Metalloproteinase 6; MMP 25; MMP20; MMP20A; MMP20A; MMPL1; MT MMP 6; MT6 MMP.
Research Area	Tumour Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse) WB=1:500-2000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	65kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human MMP25
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: 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. [provided by RefSeq, Jul 2008]

Function:

May activate procollagenase A.

Subcellular Location:

Cell Membrane; lipid-anchor; GPI-anchor.

Tissue Specificity:

Expressed predominantly in leukocytes, lung and spleen. Expressed also in colon carcinoma, astrocytoma and glioblastomas.

Post-translational modifications:

The precursor is cleaved by a furin endopeptidase

Similarity:

Belongs to the peptidase M10A family.
Contains 4 hemopexin repeats.

Database links:

[Entrez Gene: 64386](#) Human

[Entrez Gene: 240047](#) Mouse

[Omim: 608482](#) Human

[SwissProt: Q9NPA2](#) Human

[SwissProt: Q3U435](#) Mouse

[Unigene: 654979](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.