SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-MMP25/Biotin Conjugated antibody

Catalog Number: SL18964R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-MMP25/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human MMP25
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse)
Background:	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]

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

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	Function: May activate progelatinase 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.