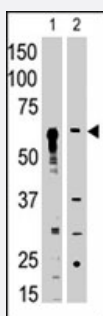


MMP25 polyclonal antibody

Catalog # PAB4790

Size 400 uL

Applications



Western Blot

The MMP25 polyclonal antibody (Cat # PAB4790) is used in Western blot to detect MMP25 in mouse liver tissue lysate (lane 1) and HL-60 cell lysate (lane 2) lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MMP25.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MMP25.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

The MMP25 polyclonal antibody (Cat # PAB4790) is used in Western blot to detect MMP25 in mouse liver tissue lysate (lane 1) and HL-60 cell lysate (lane 2) lysate.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MMP25

Entrez GeneID [64386](#)

Protein Accession# [MM25_HUMAN](#)

Gene Name MMP25

Gene Alias MMP20, MMP20A, MMPL1, MT-MMP6, MT6-MMP

Gene Description matrix metalloproteinase 25

Omim ID [608482](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 glycosylphosphatidylinositol 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]

Other Designations

leukolysin|matrix metalloproteinase-like 1|matrix metalloproteinase 20|matrix metalloproteinase 25|matrix metalloproteinase-like 1|membrane-type 6 matrix metalloproteinase

Publication Reference

- [Clusterin, an abundant serum factor, is a possible negative regulator of MT6-MMP/MMP-25 produced by neutrophils.](#)

Matsuda A, Itoh Y, Koshikawa N, Akizawa T, Yana I, Seiki M.

The Journal of Biological Chemistry 2003 Jul; 278(38):36350.

Application: IP-WB, Human, COS-1 cells, human PMNs

- [Human MT6-matrix metalloproteinase: identification, progelatinase A activation, and expression in brain tumors.](#)

Velasco G, Cal S, Merlos-Suarez A, Ferrando AA, Alvarez S, Nakano A, Arribas J, Lopez-Otin C.

Cancer Research 2000 Feb; 60(4):877.

- [Matrix metalloproteinases.](#)

Nagase H, Woessner JF Jr.

The Journal of Biological Chemistry 1999 Jul; 274(31):21491.

Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
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