



Anti-MMP25 polyclonal antibody (CABT-BL019)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	A synthetic peptide of human MMP25
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Affinity purification
Conjugate	Unconjugated
Applications	WB, IHC
Molecular Weight	63kDa
Format	Liquid
Size	100 µl
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Avoid freeze / thaw cycles.

BACKGROUND

Introduction	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
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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.

GENE INFORMATION

Entrez Gene ID	64386
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UniProt ID	Q9NPA2
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