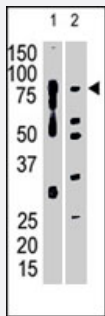


MMP15 polyclonal antibody

Catalog # PAB4783

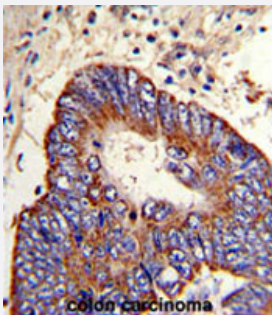
Size 400 uL

Applications



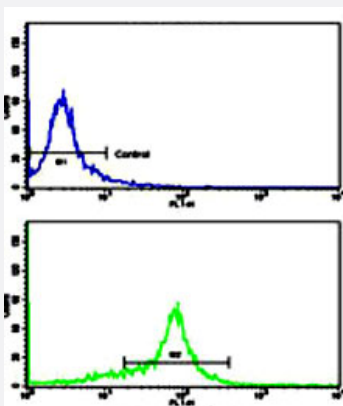
Western Blot

The MMP15 polyclonal antibody (Cat # PAB4783) is used in Western blot to detect MMP15 in mouse brain tissue lysate (lane 1) and HL-60 cell lysate (lane 2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human colon carcinoma reacted with MMP15 polyclonal antibody (Cat # PAB4783), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry

Flow cytometric analysis of WiDr cells using MMP15 polyclonal antibody (Cat # PAB4783) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of MMP15.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human MMP15.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) 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 MMP15 polyclonal antibody (Cat # PAB4783) is used in Western blot to detect MMP15 in mouse brain tissue lysate (lane 1) and HL-60 cell lysate (lane 2) .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human colon carcinoma reacted with MMP15 polyclonal antibody (Cat # PAB4783), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of WiDr cells using MMP15 polyclonal antibody (Cat # PAB4783)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Gene Info — MMP15

Entrez GeneID	4324
Protein Accession#	MM15_HUMAN
Gene Name	MMP15
Gene Alias	MT2-MMP, MTMMP2, SMCP-2
Gene Description	matrix metalloproteinase 15 (membrane-inserted)
Omim ID	602261
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 MMP's 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; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. [provided by RefSeq]
Other Designations	matrix metalloproteinase 15 matrix metalloproteinase 15 (membrane-inserted) membrane-type matrix metalloproteinase 2 membrane-type-2 matrix metalloproteinase

Publication Reference

- [mRNA expression of the five membrane-type matrix metalloproteinases MT1-MT5 in human prostatic cell lines and their down-regulation in human malignant prostatic tissue.](#)
Jung M, Romer A, Keyszer G, Lein M, Kristiansen G, Schnorr D, Loening SA, Jung K.
Prostate 2003 May; 55(2):89.
- [Matrix metalloproteinases.](#)
Nagase H, Woessner JF Jr.
The Journal of Biological Chemistry 1999 Jul; 274(31):21491.
- [Identification of soluble type of membrane-type matrix metalloproteinase-3 formed by alternatively spliced mRNA.](#)
Matsumoto S, Katoh M, Saito S, Watanabe T, Masuho Y.
Biochimica et Biophysica Acta 1997 Nov; 1354(2):159.

Disease

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