

Rabbit anti-Human, mouse MMP15 Polyclonal Antibody | anti-MMP15 antibody

MMP15 Antibody (N-term)

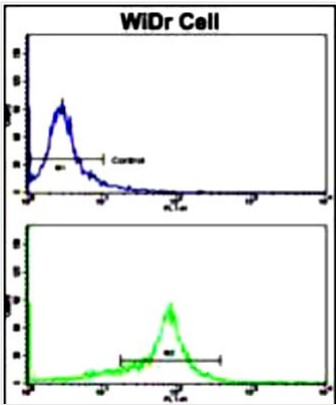
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289506	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

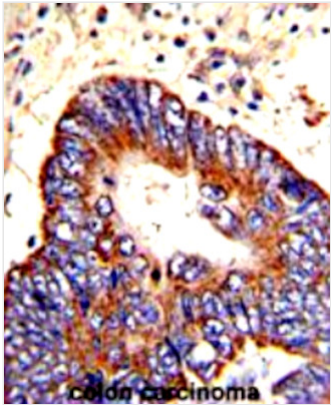
MMP15; Polyclonal Antibody; MMP15 Antibody (N-term); Matrix metalloproteinase-15; MMP-15; 3424-; Membrane-type matrix metalloproteinase 2; MT-MMP 2; MTMMP2; Membrane-type-2 matrix metalloproteinase; MT2-MMP; MT2MMP; SMCP-2; anti-MMP15 antibody

PRODUCT SPECIFICATIONS

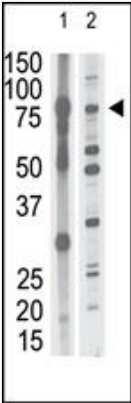
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This MMP15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-194 amino acids from the N-terminal region of human MMP15.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	165-194
Sequence Length	669
Applicable Applications for anti-MMP15 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Endopeptidase that degrades various components of the extracellular matrix. May activate progelatinase A.
Cellular Location	Membrane; Single-pass type I membrane protein; Extracellular side
Tissue Location	Appeared to be synthesized preferentially in liver, placenta, testis, colon and intestine. Substantial amounts are also detected in pancreas, kidney, lung, heart and skeletal muscle.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of WiDr cells using MMP15 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human colon carcinoma with MMP15 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
The anti-MMP15 N-term Antibody is used in Western blot to detect MMP15 in mouse brain tissue lysate (lane 1) and HL60 cell lysate (lane 2) lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP15 antibody	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, MMP15 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.
Product Categories/Family for anti-MMP15 antibody	Cancer; Cardiovascular; Cell biology; Signal transduction
References	Jung, M., et al., Prostate 55(2):89-98 (2003). Nagase, H., et al., J. Biol. Chem. 274(31):21491-21494 (1999). d'Ortho, M.P., et al., Eur. J. Biochem. 250(3):751-757 (1997). Sato, H., et al., Genomics 39(3):412-413 (1997). Mattei, M.G., et al., Genomics 40(1):168-169 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505211
NCBI GeneID	4324

NCBI Accession #	NP_002419.1
NCBI GenBank Nucleotide #	NM_002428.2
UniProt Accession #	P51511; Q14111; A0A2U6
Molecular Weight	75807
NCBI Official Full Name	matrix metalloproteinase-15 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 15 (membrane-inserted)
NCBI Official Symbol	MMP15
NCBI Official Synonym Symbols	MTMMP2; SMCP-2; MT2-MMP
NCBI Protein Information	matrix metalloproteinase-15
UniProt Protein Name	Matrix metalloproteinase-15
UniProt Gene Name	MMP15
UniProt Synonym Gene Names	MMP-15; MT-MMP 2; MTMMP2; MT2-MMP; MT2MMP
UniProt Entry Name	MMP15_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mmp15-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289506>