

Anti-MMP-15 antibody



Description	Rabbit polyclonal to MMP-15.
Model	STJ94276
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human MMP-15
Immunogen Region	580-660 aa, C-terminal
Gene ID	4324
Gene Symbol	MMP15
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	MMP-15 Polyclonal Antibody detects endogenous levels of MMP-15 protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Matrix metalloproteinase-15 MMP-15 Membrane-type matrix metalloproteinase 2 MT-MMP 2 MTMMP2 Membrane-type-2 matrix metalloproteinase MT2-MMP MT2MMP SMCP-2

Molecular Weight	80 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:7161 OMIM:602261
Alternative Names	Matrix metalloproteinase-15 MMP-15 Membrane-type matrix metalloproteinase 2 MT-MMP 2 MTMMP2 Membrane-type-2 matrix metalloproteinase MT2-MMP MT2MMP SMCP-2
Function	Endopeptidase that degrades various components of the extracellular matrix. May activate progelatinase A.
Sequence and Domain Family	The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.
Cellular Localization	Membrane
Post-translational Modifications	The precursor is cleaved by a furin endopeptidase.