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Anti-MMP14 Antibody (aa152-163)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17915

Product Information

Application	WB, IHC-P, E
Primary Accession	P50281
Predicted	Human, Hamster, Pig, Bovine, Horse, Guinea Pig, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	65894
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	4323
Alias Symbol	MMP14
Other Names	MMP14, Membrane type-1 MMP, MT1-MMP, MT1MMP, MT-MMP, MT-MMP 1, Matrix metalloproteinase-14, MMP-14, MMP-X1, MTMMP1
Target/Specificity	Human MMP14 / MMP-14
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-MMP14 Antibody (aa152-163) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MMP14
Function	Endopeptidase that degrades various components of the extracellular matrix such as collagen (PubMed:8015608). Essential for pericellular collagenolysis and modeling of skeletal and extraskeletal connective tissues during development (By similarity). Activates progelatinase A/MMP2, thereby acting as a positive regulator of cell growth and migration (PubMed:22065321, PubMed:8015608). Involved in the formation of the fibrovascular tissues in association with pro-MMP2 (PubMed:12714657, PubMed:22065321). May be involved in actin cytoskeleton reorganization by cleaving PTK7 (PubMed:20837484). Acts as a regulator of Notch signaling by mediating cleavage and inhibition of DLL1 (PubMed:21572390). Cleaves ADGRB1 to release vasculostatin-40 which inhibits angiogenesis (PubMed:22330140). Acts as a negative regulator of the GDF15-GFRAL aversive response by mediating cleavage and inactivation of GFRAL (PubMed:35177851).

Cellular Location	Cell membrane; Single-pass type I membrane protein. Melanosome. Cytoplasm Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Forms a complex with BST2 and localizes to the cytoplasm (PubMed:17081065)
Tissue Location	Expressed in stromal cells of colon, breast, and head and neck. Expressed in lung tumors.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.