

MMP14 Rabbit mAb

Catalog No: #52014

Package Size: #52014-1 50ul #52014-2 100ul

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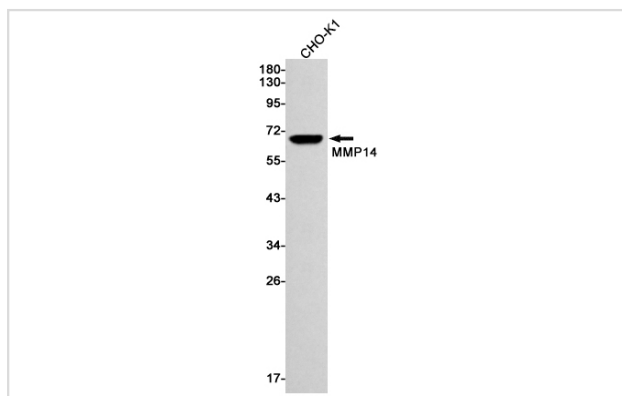
Description

Product Name	MMP14 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S05-6H5
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human MMP14
Conjugates	Unconjugated
Modification	Unmodification
Other Names	MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; WNCHRS; MT1-MMP; MT-MMP 1;
Accession No.	Swiss-Prot:P50281GenelD:4323
Uniprot	P50281
GenelD	4323
Calculated MW	Calculated MW: 66 kDa; Observed MW: 66 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

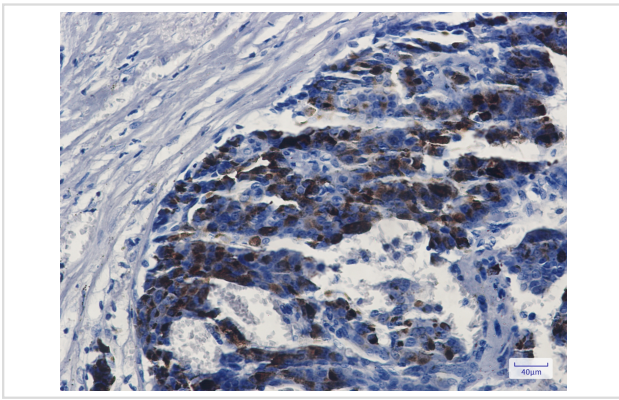
Application Details

WB: 1/1000; IHC: 1/50;

Images



Western blot detection of MMP14 in CHO-K1 cell lysates using MMP14 Rabbit mAb(1:1000 diluted).Predicted band size:66kDa.Observed band size:66kDa.



Immunohistochemistry of MMP14 in paraffin-embedded Human breast cancer tissue using MMP14 Rabbit mAb at dilution 1/100

Background

Endopeptidase that degrades various components of the extracellular matrix such as collagen. Activates progelatinase A. Essential for pericellular collagenolysis and modeling of skeletal and extraskelatal connective tissues during development (By similarity).

May be involved in actin cytoskeleton reorganization by cleaving PTK7 (PubMed:20837484).

Acts as a positive regulator of cell growth and migration via activation of MMP15. Involved in the formation of the fibrovascular tissues in association with pro-MMP2 (PubMed:12714657).

Cleaves ADGRB1 to release vasculostatin-40 which inhibits angiogenesis (PubMed:22330140).

Note: This product is for in vitro research use only