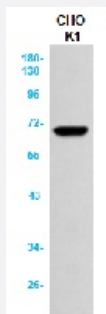


RecomAb™

MMP14 recombinant monoclonal antibody, clone R05-6H5

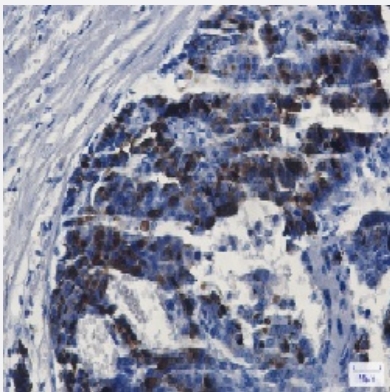
Catalog # RAB01741 Size 100 uL

Applications



Western Blot

Western blot analysis of MMP14 in CHO-K1 lysates using human MMP14 recombinant monoclonal antibody, clone R05-6H5 (Cat # RAB01741).



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

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human breast cancer with MMP14 recombinant monoclonal antibody, clone R05-6H5 (Cat # RAB01741).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human MMP14.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human MMP14
Theoretical MW (kDa)	Calculated MW: 66 kD
Reactivity	Human

Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1,000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. 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

Western blot analysis of MMP14 in CHO-K1 lysates using human MMP14 recombinant monoclonal antibody, clone R05-6H5 (Cat # RAB01741).

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

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human breast cancer with MMP14 recombinant monoclonal antibody, clone R05-6H5 (Cat # RAB01741).

- Immunoprecipitation

Gene Info — MMP14

Entrez GeneID	4323
Protein Accession#	P50281
Gene Name	MMP14
Gene Alias	MMP-X1, MT1-MMP, MTMMP1
Gene Description	matrix metalloproteinase 14 (membrane-inserted)
Omim ID	600754

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. This protein activates MMP2 protein, and this activity may be involved in tumor invasion. [provided by RefSeq]

Other Designations

matrix metalloproteinase 14|matrix metalloproteinase 14 (membrane-inserted)|membrane type 1 metalloprotease|membrane-type matrix metalloproteinase 1|membrane-type-1 matrix metalloproteinase

Pathway

- [GnRH signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Bronchopulmonary Dysplasia](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulosclerosis](#)

- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Nephrosis](#)
- [Obstetric Labor](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Scleroderma](#)