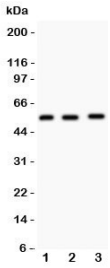
MMP14 Antibody (R31696)

Catalog No.	Formulation	Size
R31696	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	4323
Applications	Western blot: 0.5-1ug/ml
Limitations	This MMP14 antibody is available for research use only.



Western blot testing of MMP14 antibody and Lane 1: human placenta; 2: HeLa; 3: U87 lysate. Predicted molecular weight: ~66/54kDa.

Description

Matrix metalloproteinase-14, also called MT1-MMP, is an enzyme that in humans is encoded by the MMP14 gene. The protein encoded by this gene is a member of the membrane-type MMP subfamily. 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. This gene may be involved in actin cytoskeleton reorganization by cleaving PTK7. It acts as a positive regulator of cell growth and migration via activation of MMP15.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MMP14 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human MMP14 (LAVFFFRRHGTPRRLLYCQRSLLDKV) was used as the immunogen for this MMP14 antibody.

Storage

After reconstitution, the MMP14 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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