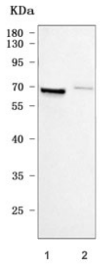
Matrix metalloproteinase 2 Antibody / MMP2 (RQ8045)

Catalog No.	Formulation	Size
RQ8045	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 purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P08253
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Matrix metalloproteinase 2 antibody is available for research use only.



Western blot testing of human 1) U-87 MG and 2) HepG2 cell lysate with Matrix metalloproteinase 2 antibody. Predicted molecular weight ~72 kDa.

Description

Matrix metalloproteinase-2 (MMP2) is a Type IV collagenase, 72-kD, which is also known as gelatinase and is a member of a group of secreted zinc metalloproteases. The MMP2 gene is 17 kb long with 13 exons varying in size from 110 to 901 bp and 12 introns ranging from 175 to 4,350 bp, located within a region of human chromosome 16q13. In addition, the extra exons encode the amino acids of the fibronectin-like domain which has so far been found in only the 72- and 92-kDa type IV collagenase. MMP2, which has a critical role in the binding of progelatinase A and TIMP4 via the C-terminal hemopexin-like domain (C domain), is functionally associated on the surface of angiogenic blood vessels. Not

only is a likely effector of endometrial menstrual breakdown, MMP2 is also effector and regulator of the inflammatory response. Moreover, MMP2 could be helpful in diagnosing Takayasu arteritis.

Application Notes

Optimal dilution of the Matrix metalloproteinase 2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E412-N573) was used as the immunogen for the Matrix metalloproteinase 2 antibody.

Storage

After reconstitution, the Matrix metalloproteinase 2 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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