

For Research Use Only

MMP2 Recombinant antibody

Catalog Number: 81515-5-RR



Basic Information

Catalog Number:

81515-5-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1650

GenBank Accession Number:

BC002576

GeneID (NCBI):

4313

UNIPROT ID:

P08253

Full Name:

matrix metalloproteinase 2
(gelatinase A, 72kDa gelatinase,
72kDa type IV collagenase)

Calculated MW:

72 kDa

Observed MW:

62-72 kDa

Purification Method:

Protein A purification

CloneNo.:

250316G1

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : U-87 MG cells, HT-1080 cells

Background Information

MMP2, also named as CLG4A, Gelatinase Am, TBE-1 and PEX, belongs to the peptidase M10A family. It is ubiquitous metalloproteinase that is involved in diverse functions such as remodeling of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture. MMP2 contributes to myocardial oxidative stress by regulating the activity of GSK3beta. It cleaves GSK3beta in vitro. MMP2 can be cleaved into PEX chain (~60kd). Western blot analysis showed that the 72 kDa and 62/65 kDa proteinase activities were pro-MMP2 and the active enzyme, respectively (PMID:11112697, PMID: 30867536).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

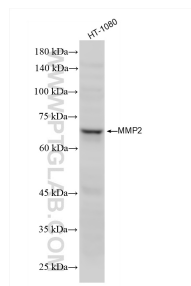
T: 4006900926

E: Proteintech-CN@ptglab.com

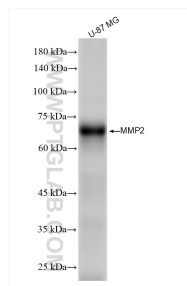
W: ptgcn.com

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Selected Validation Data



HT-1080 cells were subjected to SDS PAGE followed by western blot with 81515-5-RR (MMP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



U-87 MG cells were subjected to SDS PAGE followed by western blot with 81515-5-RR (MMP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.