

For Research Use Only

MMP3 Monoclonal antibody, PBS Only



Catalog Number: 66338-1-PBS

Featured Product

Basic Information

Catalog Number:

66338-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG12359

GenBank Accession Number:

BC074869

GeneID (NCBI):

4314

UNIPROT ID:

P08254

Full Name:

matrix metalloproteinase 3
(stromelysin 1, progelatinase)

Calculated MW:

477 aa, 54 kDa

Observed MW:

45-60 kDa

Purification Method:

Protein A purification

CloneNo.:

1F5A9

Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

human, rat, mouse, pig

Background Information

Matrix metalloproteinases (MMPs) play a critically important role in extracellular matrix remodeling and have been implicated in a number of key normal and pathologic processes. These proteases have come to represent important therapeutic and diagnostic targets for the treatment and detection of human cancers. MMP-3 activate procollagenase via two pathways: slow direct activation and rapid activation in conjunction with tissue or plasma proteinases. The pro-MMP3 (60 kDa) and the active MMP3 (47 kDa) can be detected through western blot.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

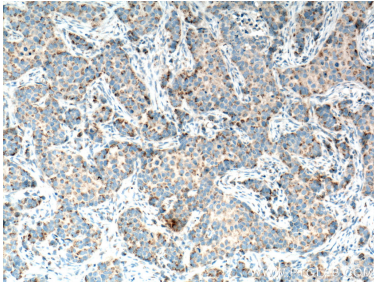
T: 4006900926

E: Proteintech-CN@ptglab.com

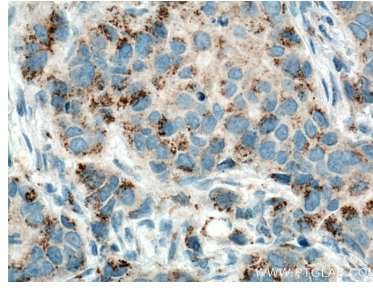
W: ptgcn.com

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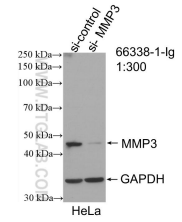
Selected Validation Data



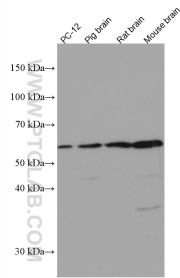
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66338-1-Ig (MMP3 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66338-1-PBS in a different storage buffer formulation.



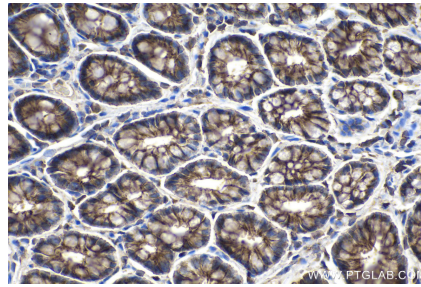
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66338-1-Ig (MMP3 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66338-1-PBS in a different storage buffer formulation.



WB result of MMP3 antibody (66338-1-Ig; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-MMP3 transfected HeLa cells. This data was developed using the same antibody clone with 66338-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66338-1-Ig (MMP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66338-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 66338-1-Ig (MMP3 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66338-1-PBS in a different storage buffer formulation.