

For Research Use Only

MMP23B Polyclonal antibody

Catalog Number: 13020-1-AP

2 Publications



Basic Information

Catalog Number:

13020-1-AP

Concentration:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4113

GenBank Accession Number:

BC025719

GeneID (NCBI):

8510

UNIPROT ID:

O75900

Full Name:

matrix metalloproteinase 23B

Calculated MW:

390 aa, 44 kDa

Observed MW:

46-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:100-1:400

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A549 cells, HepG2 cells, mouse liver tissue, PC-3 cells

IHC : human ovary tumor tissue, human liver cancer tissue

IF/ICC : HepG2 cells,

Background Information

MMP23B(matrix metalloproteinase 23B) is also named as MMP21, MMP22.It is a regulator in matrix remodeling and may be playing a role in endochondral bone formation and in regulation of cranial suture closure .It has 3 isoforms produced by alternative splicing with the molecular weight of 44kDa,48kDa and 46kDa,respectively.It also can be N-glycosylated.

Notable Publications

Author	Pubmed ID	Journal	Application
Yexin Tong	36434634	J Hematol Oncol	IHC
Shichao Han	39819270	Curr Eye Res	WB,IHC

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:

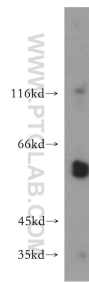
T: 4006900926

E: Proteintech-CN@ptglab.com

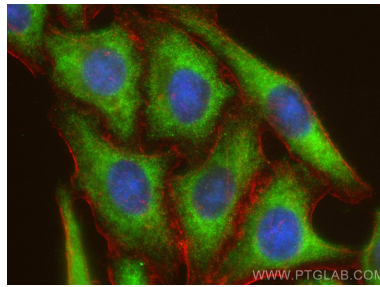
W: ptgcn.com

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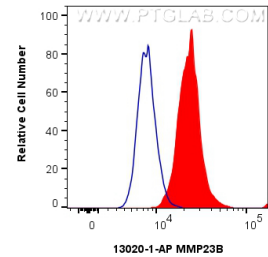
Selected Validation Data



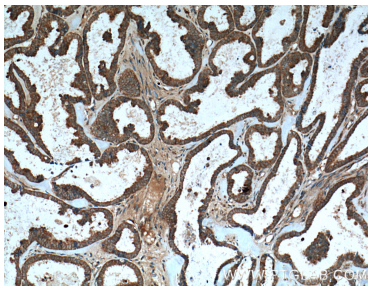
A549 cells were subjected to SDS PAGE followed by western blot with 13020-1-AP (MMP23B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



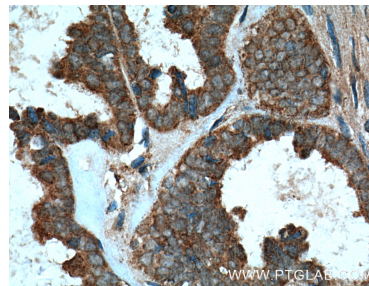
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MMP23B antibody (13020-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug MMP23B Polyclonal antibody (13020-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 13020-1-AP (MMP23B Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 13020-1-AP (MMP23B Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).