

For Research Use Only

MMP23B Polyclonal antibody

Catalog Number: 13020-1-AP

2 Publications



Basic Information

Catalog Number:

13020-1-AP

Size:

150ul, Concentration: 550 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

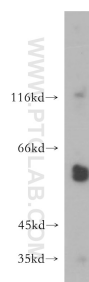
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

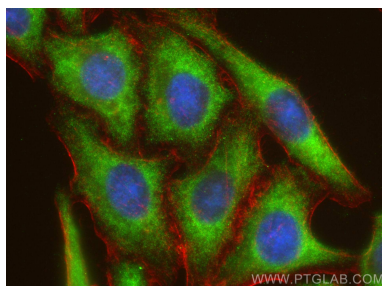
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

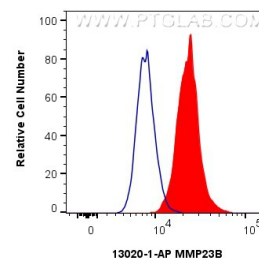
Selected Validation Data



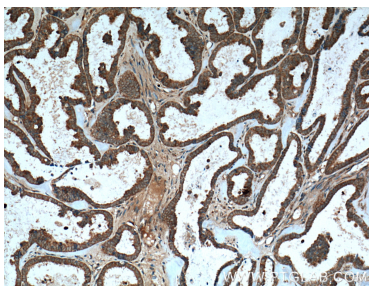
A549 cells were subjected to SDS PAGE followed by western blot with 13020-1-AP (MMP23B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



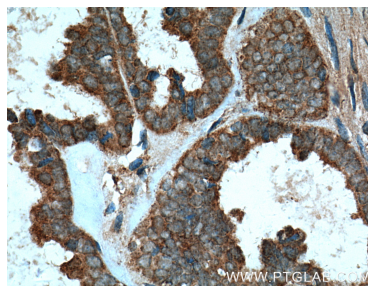
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MMP23B antibody (13020-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g MMP23B Polyclonal antibody (13020-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μ g 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).