

For Research Use Only

PTPN23 Polyclonal antibody

Catalog Number: 10472-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

10472-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0765

GenBank Accession Number:

BC004881

GeneID (NCBI):

25930

UNIPROT ID:

Q9H3S7

Full Name:

protein tyrosine phosphatase, non-receptor type 23

Calculated MW:

179 kDa

Observed MW:

179 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human

Cited Species:

human, mouse

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 : A375 cells, HeLa cells, HepG2 cells, L02 cells

IP : HeLa cells,

IHC : human colon cancer tissue,

IF/ICC : HepG2 cells,

Background Information

PTPN23(Tyrosine-protein phosphatase non-receptor type 23) is also named as HD-PTP,PTP-TD14 and KIAA1471.It encodes a 185-kDa protein which is expressed in human endothelial from the umbilical cord and in human Kaposi-spindle cells(PMID:16408268).PTPN23 is a non-transmembrane protein tyrosine phosphatase which contributes to the signal transduction pathways involved in the regulation of cell migration and invasion(PMID:22510412).

Notable Publications

Author	Pubmed ID	Journal	Application
Siwei Zhang	29066500	Genes Dev	WB,IHC
Chen Dong-Yuan DY	22825871	J Cell Sci	WB
Jalal M Kazan	34761192	iScience	WB

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

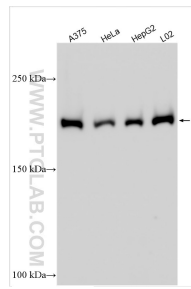
For technical support and original validation data for this product please contact:

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

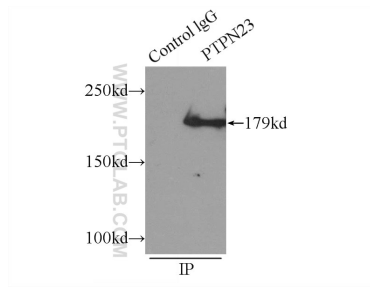
E: proteintech@ptglab.com
W: ptglab.com

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

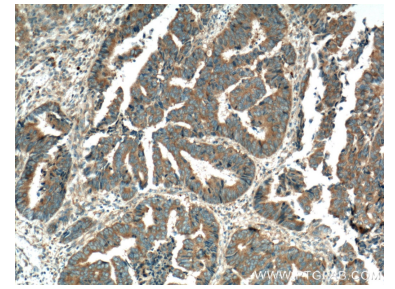
Selected Validation Data



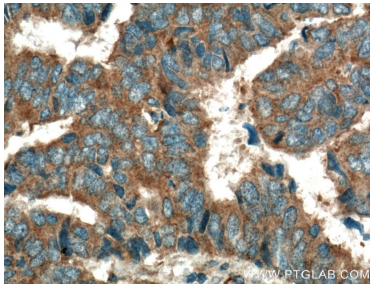
Various lysates were subjected to SDS PAGE followed by western blot with 10472-1-AP (PTPN23 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



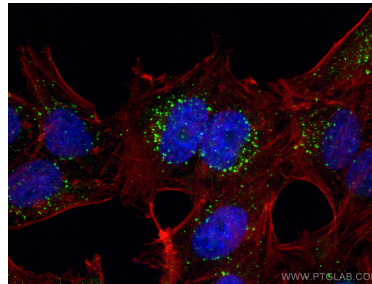
IP result of anti-PTPN23 (IP:10472-1-AP, 5ug; Detection:10472-1-AP 1:500) with HeLa cells lysate 1000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10472-1-AP (PTPN23 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 colon cancer tissue slide using 10472-1-AP (PTPN23 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PTPN23 antibody (10472-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).