

For Research Use Only

PTPN2 Polyclonal antibody

Catalog Number: 11214-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

11214-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1709

GenBank Accession Number:

BC016727

GeneID (NCBI):

5771

UNIPROT ID:

P17706

Full Name:

protein tyrosine phosphatase, non-receptor type 2

Calculated MW:

49 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : mouse thymus tissue, HeLa cells, HL-60 cells, NIH/3T3 cells

IP : HL-60 cells,

IHC : human colon cancer tissue,

IF/ICC : U2OS cells,

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

Background Information

PTPN2 (Tyrosine-protein phosphatase non-receptor type 2) is also named as PTPT and belongs to the protein-tyrosine phosphatase family. It may modulate beta-cell apoptosis and/or local release of inflammatory mediators in the course of a viral infection by acting, at least in part, at the pancreatic beta-cell level (PMID: 19825843). This protein has some isoforms produced by alternative splicing with the molecular mass of 40-50 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Liang Lu	28492557	Cell Death Dis	WB
Hyunseung Lee	28322331	Sci Rep	IHC
Sander Ellegård	30867772	Oncol Lett	

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

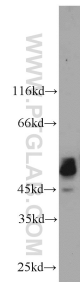
For technical support and original validation data for this product please contact:

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

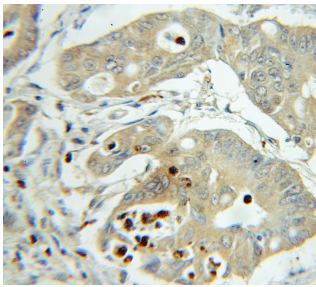
E: proteintech@ptglab.com
W: ptglab.com

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

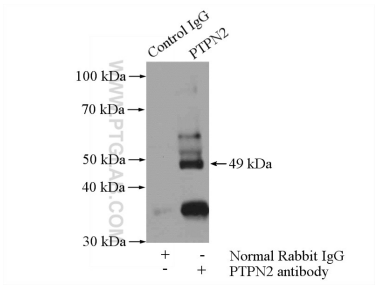
Selected Validation Data



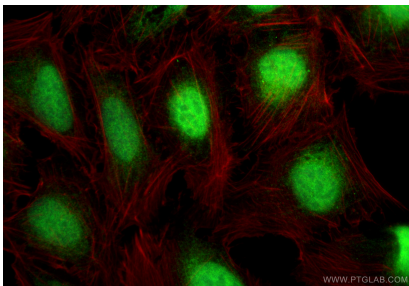
mouse thymus tissue were subjected to SDS PAGE followed by western blot with 11214-1-AP (PTPN2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11214-1-AP (PTPN2 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-PTPN2 (IP:11214-1-AP, 4ug; Detection:11214-1-AP 1:500) with HL-60 cells lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using PTPN2 antibody (11214-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).