

For Research Use Only

PTPN9 Polyclonal antibody

Catalog Number: 30282-1-AP

Featured Product



Basic Information

Catalog Number:

30282-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31971

GenBank Accession Number:

BC010863

GeneID (NCBI):

5780

UNIPROT ID:

P43378

Full Name:

protein tyrosine phosphatase, non-receptor type 9

Calculated MW:

593 aa, 68 kDa

Observed MW:

68-70 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 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Species Specificity:

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: A549 cells, mouse pancreas tissue, HCT 116 cells, MCF-7 cells, MDA-MB-468 cells, SW480 cells, rat pancreas tissue

IP: HEK-293 cells,

IHC: human oesophagus cancer tissue,

Background Information

PTPN9, Tyrosine-protein phosphatase non-receptor type 9, is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN9 is involved in the transfer of hydrophobic ligands or in functions of the Golgi apparatus (PMID: 19167335). MiR-96 inhibits PTPN9 expression and consequently promotes proliferation, migration and invasion of breast cancer cells (PMID:27857177). PTPN9 can be detected double bands (PMID: 22394684). PTPN9 was located in cytoplasm and nucleus in human breast cancer (PMID: 23418360).

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

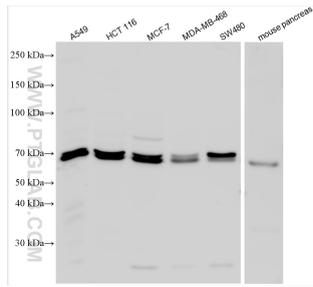
For technical support and original validation data for this product please contact:

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

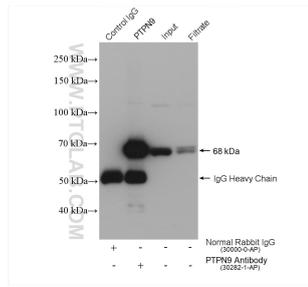
E: proteintech@ptglab.com
W: ptglab.com

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

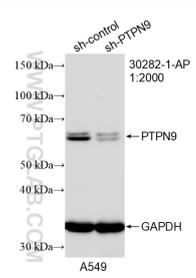
Selected Validation Data



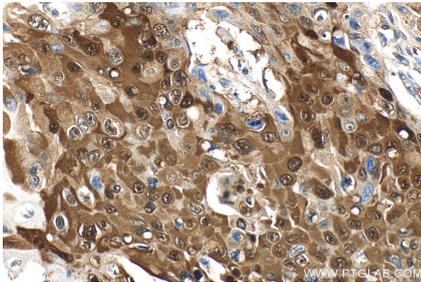
Various lysates were subjected to SDS PAGE followed by western blot with 30282-1-AP (PTPN9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-PTPN9 (IP:30282-1-AP, 4ug; Detection:30282-1-AP 1:1000) with HEK-293 cells lysate 1480 ug.



WB result of PTPN9 antibody (30282-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PTPN9 transfected A549 cells.



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 30282-1-AP (PTPN9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).