

For Research Use Only

PTPN9 Polyclonal antibody

Catalog Number: 30282-1-AP

Featured Product



Basic Information

Catalog Number:

30282-1-AP

Size:

500 µg/ml

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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, 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

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

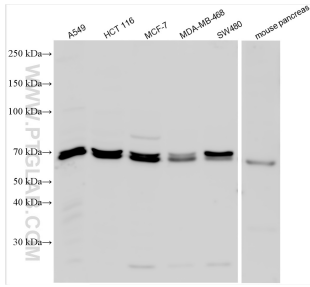
T: 4006900926

E: Proteintech-CN@ptglab.com

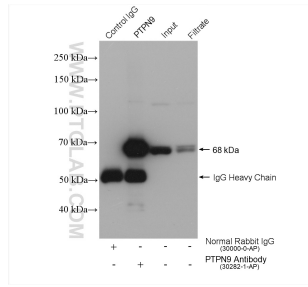
W: ptgcn.com

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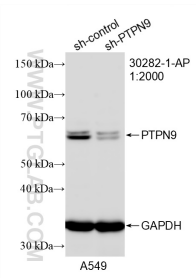
Selected Validation Data



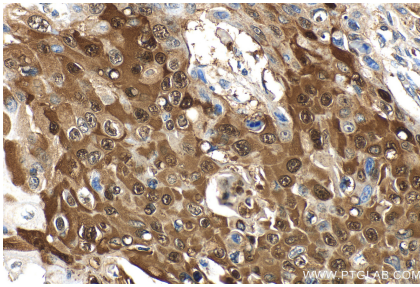
Various lysates were subjected to SDS PAGE followed by western blot with 30282-1-AP (PTPN9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).