

PTPN9 Polyclonal antibody

Catalog Number: 12109-1-AP

1 Publications

Basic Information

Catalog Number:

12109-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2754

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 1:500-1:1000

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

IHC 1:100-1:400

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

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, Transfected HEK-293 cells, mouse liver tissue, mouse pancreas tissue

IP : HEK-293 cells,

IHC : human liver 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Meijie Qu	30825669	Mol Ther Nucleic Acids	WB

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

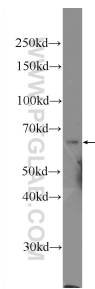
For technical support and original validation data for this product please contact:

T: 4006900926

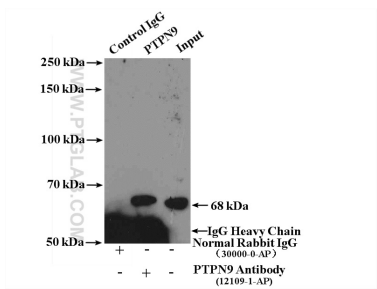
E: Proteintech-CN@ptglab.comW: ptgcn.com

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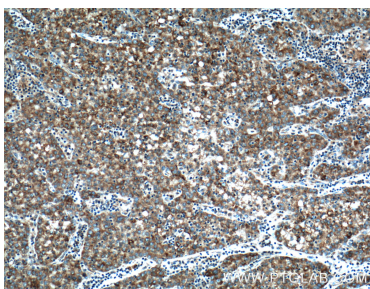
Selected Validation Data



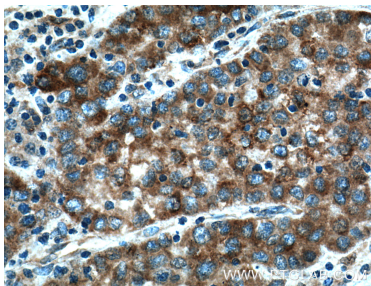
A549 cells were subjected to SDS PAGE followed by western blot with 12109-1-AP (PTPN9 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



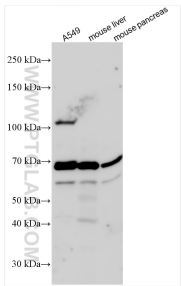
IP result of anti-PTPN9 (IP:12109-1-AP, 4ug; Detection:12109-1-AP 1:300) with HEK-293 cells lysate 1800ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 12109-1-AP (PTPN9 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 liver cancer tissue slide using 12109-1-AP (PTPN9 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 12109-1-AP (PTPN9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.