

For Research Use Only

PTPN9 Polyclonal antibody

Catalog Number: 12109-1-AP **1 Publications**



Basic Information

Catalog Number: 12109-1-AP	GenBank Accession Number: BC010863	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5780	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:100-1:400
Source: Rabbit	UNIPROT ID: P43378	
Isotype: IgG	Full Name: protein tyrosine phosphatase, non-receptor type 9	
Immunogen Catalog Number: AG2754	Calculated MW: 593 aa, 68 kDa	
	Observed MW: 68-70 kDa	

Applications

Tested Applications: WB, IP, IHC, ELISA	Positive Controls: WB : A549 cells, Transfected HEK-293 cells, mouse liver tissue, mouse pancreas tissue IP : HEK-293 cells, IHC : human liver cancer tissue,
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

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

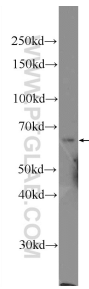
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

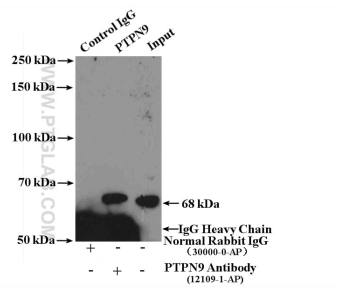
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

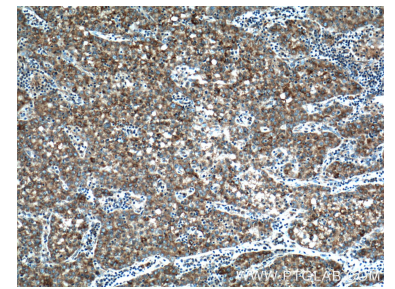
Selected Validation Data



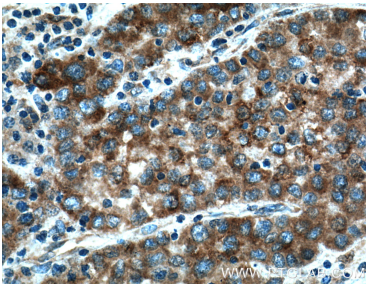
A549 cells were subjected to SDS PAGE followed by western blot with 12109-1-AP (PTPN9 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



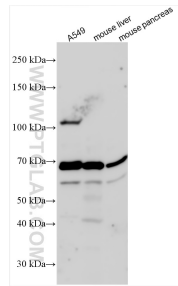
IP result of anti-PTPN9 (IP:12109-1-AP, 4 μ g; Detection:12109-1-AP 1:300) with HEK-293 cells lysate 1800 μ g.



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.