

For Research Use Only

PPP3R1 Polyclonal antibody

Catalog Number: 13210-1-AP

6 Publications



Basic Information

Catalog Number: 13210-1-AP	GenBank Accession Number: BC027913	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5534	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: protein phosphatase 3 (formerly 2B), regulatory subunit B, alpha isoform	
Isotype: IgG	Calculated MW: 170 aa, 19 kDa	
Immunogen Catalog Number: AG3992	Observed MW: 19 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : K-562 cells, human stomach tissue, HeLa cells IP : HeLa cells, IHC : human gliomas tissue, human brain tissue
Cited Applications: IF, WB	
Species Specificity: human	
Cited Species: human, chicken, 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

Protein phosphatase 3 (PPP3, formerly PP2B, Calcineurin), a serine/ threonine protein phosphatase, is a heterodimer composed of one catalytic subunit (PPP3C, Calcineurin A) and one regulatory subunit (PPP3R, Calcineurin B). PPP3R has two isoforms, PPP3R1 and PPP3R2. PPP3R1 is ubiquitously expressed in different tissues and is coded by the PPP3R1 gene which was mapped recently to human chromosome 2. PPP3R1 has four functional calcium-binding sites.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiju He	28526717	Proc Natl Acad Sci U S A	WB
Hong Cao	35235867	Acta Biomater	WB
Ke Xiao	30094741	Biol Trace Elem Res	WB

Storage

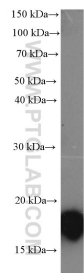
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

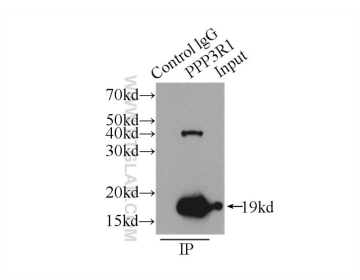
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

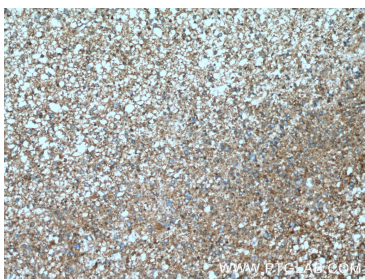
Selected Validation Data



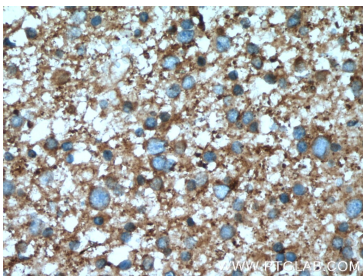
K-562 cells were subjected to SDS PAGE followed by western blot with 13210-1-AP (PPP3R1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP Result of anti-PPP3R1 (IP:13210-1-AP, 3ug; Detection:13210-1-AP 1:300) with HeLa cells lysate 5000ug.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13210-1-AP(PPP3R1 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 gliomas tissue slide using 13210-1-AP(PPP3R1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).