

For Research Use Only

PPP2R2B/A/C/D Polyclonal antibody



Catalog Number: 29237-1-AP

1 Publications

Basic Information

Catalog Number: 29237-1-AP	GenBank Accession Number: BC031790	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 5521	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:400-1:800
Source: Rabbit	UNIPROT ID: Q00005	
Isotype: IgG	Full Name: protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform	
Immunogen Catalog Number: AG30757	Calculated MW: 443 aa, 52 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, MCF-7 cells, mouse brain tissue, rat brain tissue IHC : mouse brain tissue,
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	
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

The PPP2R2B gene encodes a deduced 443 amino acid protein of approximately 52 kDa, which is a brain-specific regulatory subunit B of protein phosphatase 2. PPP2R2B is a Subunit of PP2A, a highly conserved constitutive enzyme (PMID:11719278). PPP2R2B (B β) is an important regulator of protein phosphatase 2A (PP2A) activity in the brain. Through differential promoter usage and alternative splicing, two major isoforms B β 1 and B β 2 with divergent sub-cellular targeting N termini are produced. B β plays an important role in neuronal survival. It has 5 isoforms produced by alternative splicing. The antibody cross-reacts with PPP2R2A, PPP2R2C, and PPP2R2D due to high immunogen homology between PPP2R2B and PPP2R2A, PPP2R2C, and PPP2R2D.

Notable Publications

Author	Pubmed ID	Journal	Application
G F Sengül	37926156	Biochim Biophys Acta Mol Cell 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

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

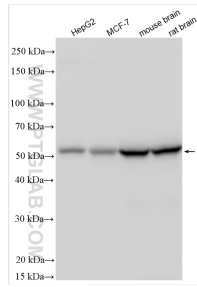
T: 4006900926

E: Proteintech-CN@ptglab.com

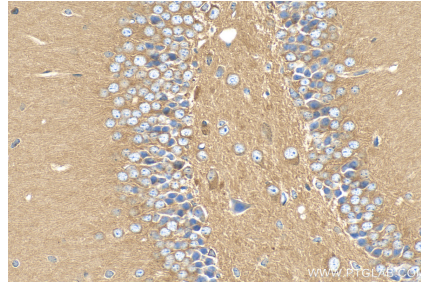
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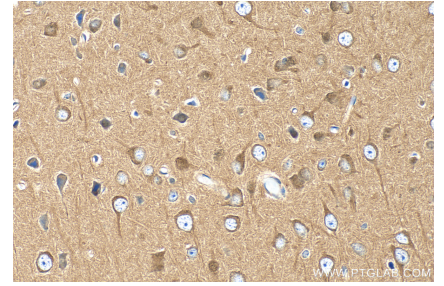
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29237-1-AP (PPP2R2B/A/C/D antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29237-1-AP (PPP2R2B/A/C/D antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29237-1-AP (PPP2R2B/A/C/D antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).