

For Research Use Only

# PPP2R2B/A/C/D Polyclonal antibody



Catalog Number: 29237-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 29237-1-AP	<b>GenBank Accession Number:</b> BC031790	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5521	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:400-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 443 aa, 52 kDa	
<b>Immunogen Catalog Number:</b> AG30757	<b>Observed MW:</b> 52 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
Human, Mouse, Rat

**Cited Species:**  
mouse

**Positive Controls:**

**WB :** HepG2 cells, MCF-7 cells, mouse brain tissue, rat brain tissue

**IHC :** mouse brain tissue,

**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 (ββ) is an important regulator of protein phosphatase 2A (PP2A) activity in the brain. Through differential promoter usage and alternative splicing, two major isoforms ββ1 and ββ2 with divergent sub-cellular targeting N termini are produced. ββ 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

\*\*\* 20ul sizes contain 0.1% BSA

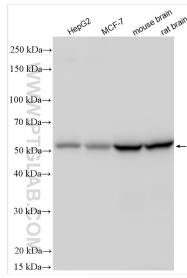
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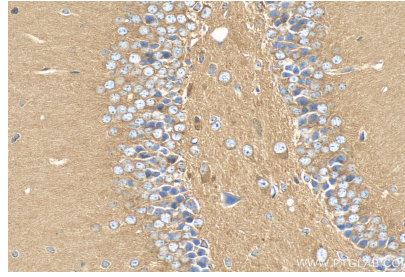
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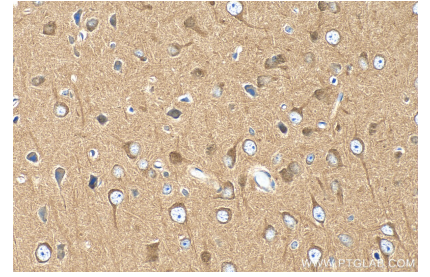
## Selected Validation Data



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).