

For Research Use Only

# PPP2R2B Monoclonal antibody

Catalog Number: 67783-1-Ig



## Basic Information

<b>Catalog Number:</b> 67783-1-Ig	<b>GenBank Accession Number:</b> BC031790	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150UL, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5521	<b>CloneNo.:</b> 2E1D5
<b>Source:</b> Mouse	<b>Full Name:</b> protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 443 aa, 52 kDa	
<b>Immunogen Catalog Number:</b> AG30774	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse, Rat, Pig	<b>WB:</b> pig brain tissue, rat brain tissue, mouse brain tissue
<b>Note-IHC:</b> <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	<b>IHC:</b> mouse brain tissue,

## 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 (Bβ) is an important regulator of protein phosphatase 2A (PP2A) activity in the brain. Through differential promoter usage and alternative splicing, two major isoforms Bβ1 and Bβ2 with divergent sub-cellular targeting N termini are produced. Bβ plays an important role in neuronal survival. It has 5 isoforms produced by alternative splicing.

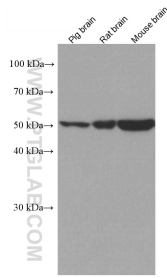
## Storage

**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

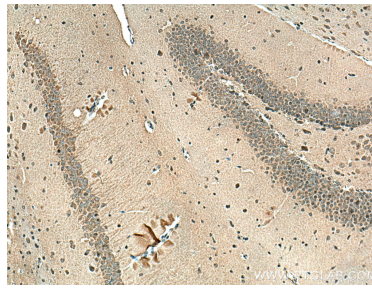
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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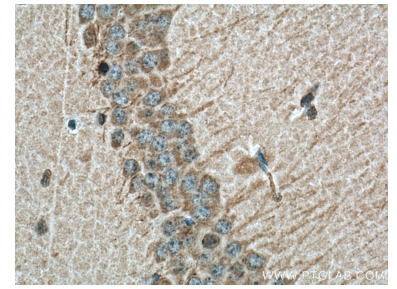
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67783-1-Ig (PPP2R2B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67783-1-Ig (PPP2R2B 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 mouse brain tissue slide using 67783-1-Ig (PPP2R2B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).