

For Research Use Only

# PPP2R2A/B/C Monoclonal antibody, PBS Only

Catalog Number: 67783-1-PBS



## Basic Information

<b>Catalog Number:</b> 67783-1-PBS	<b>GenBank Accession Number:</b> BC031790	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5521	<b>CloneNo.:</b> 2E1D5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q00005	
<b>Isotype:</b> IgG1	<b>Full Name:</b> protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform	
<b>Immunogen Catalog Number:</b> AG30774	<b>Calculated MW:</b> 443 aa, 52 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat, pig, rabbit

## 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 $\beta$ ) is an important regulator of protein phosphatase 2A (PP2A) activity in the brain. Through differential promoter usage and alternative splicing, two major isoforms B $\beta$ 1 and B $\beta$ 2 with divergent sub-cellular targeting N termini are produced. B $\beta$  plays an important role in neuronal survival. It has 5 isoforms produced by alternative splicing. This antibody can recognize PPP2R2A and PPP2R2C due to the immunogen of PPP2R2B having high homology with PPP2R2A and PPP2R2C.

## Storage

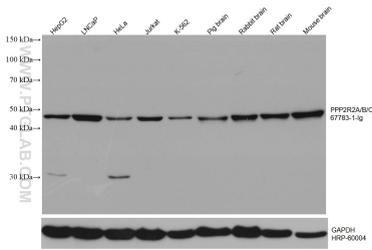
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

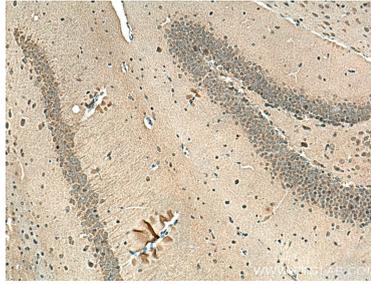
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

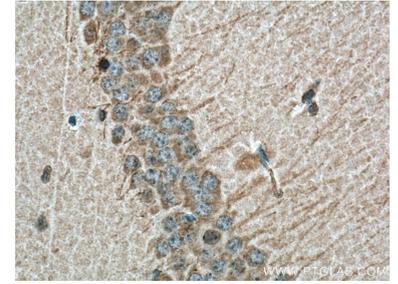
## Selected Validation Data



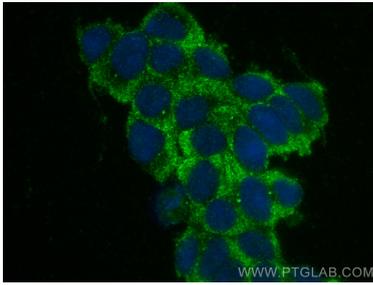
Various lysates were subjected to SDS PAGE followed by western blot with 67783-1-Ig (PPP2R2A/B/C antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67783-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67783-1-Ig (PPP2R2A/B/C antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67783-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67783-1-Ig (PPP2R2A/B/C antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67783-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using PPP2R2A/B/C antibody (67783-1-Ig, Clone: 2E1D5) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 67783-1-PBS in a different storage buffer formulation.