

For Research Use Only

# PLXNB2 Monoclonal antibody, PBS Only



Catalog Number: 67265-1-PBS

## Basic Information

<b>Catalog Number:</b> 67265-1-PBS	<b>GenBank Accession Number:</b> NM_012401	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 23654	<b>CloneNo.:</b> 2G9B2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O15031	
<b>Isotype:</b> IgG1	<b>Full Name:</b> plexin B2	
<b>Immunogen Catalog Number:</b> AG28706	<b>Calculated MW:</b> 205 kDa	
	<b>Observed MW:</b> 240 kDa	

## Applications

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

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

## Background Information

Semaphorins, originally identified as axon guidance molecules, have also been implicated in angiogenesis, immunoregulation, and cancer (PMID: 16584533). Plexins are main receptors for semaphorins and are thought to control many of the functional effects of semaphorins. PLXNB2 is one of the three plexin-B family members which participate in axon guidance and cell migration in response to semaphorins. It has been reported that plexin B2 precursor is 240 kDa and can be cleaved into alpha subunit (~170-kDa) and beta subunit (80-kDa) (PMID: 12533544). This antibody raised against 20-466aa of human plexin B2 can recognize precursor and alpha subunit of plexin B2.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

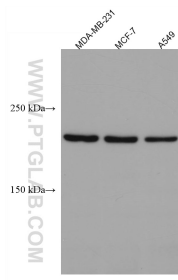
T: 4006900926

E: Proteintech-CN@ptglab.com

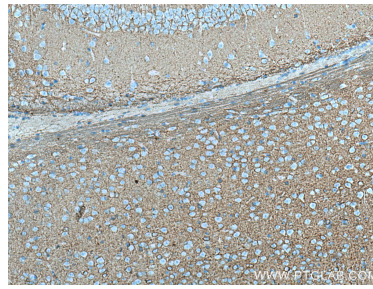
W: ptgcn.com

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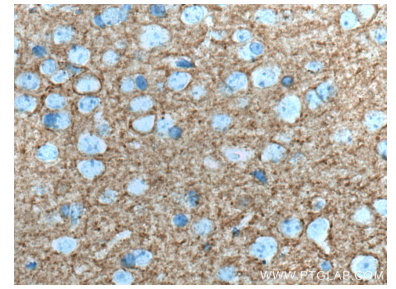
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67265-1-Ig (PLXNB2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67265-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67265-1-Ig (PLXNB2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67265-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67265-1-Ig (PLXNB2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67265-1-PBS in a different storage buffer formulation.