

For Research Use Only

# PLXNA4 Polyclonal antibody, PBS Only

Catalog Number:17201-1-PBS



## Basic Information

<b>Catalog Number:</b> 17201-1-PBS	<b>GenBank Accession Number:</b> BC028744	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 91584	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HCM2	
<b>Isotype:</b> IgG	<b>Full Name:</b> plexin A4	
<b>Immunogen Catalog Number:</b> AG10978	<b>Calculated MW:</b> 522aa,58 kDa; 1894aa,212 kDa	
	<b>Observed MW:</b> 212 kDa	

## Applications

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

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

## Background Information

PLXNA4 is a plexin family receptor that transduces semaphorin signals to regulate axon guidance, vascular development, and immune cell migration. It functions as a plasma membrane receptor with intracellular GTPase-regulatory activity, linking extracellular cues to cytoskeletal remodeling. Dysregulation of PLXNA4 has been associated with neurological disease (including Alzheimer's), cancer progression, and vascular/immune dysfunction, making it a multifunctional receptor of significant biomedical interest. (PMID: 27127761)

## Storage

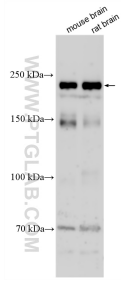
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

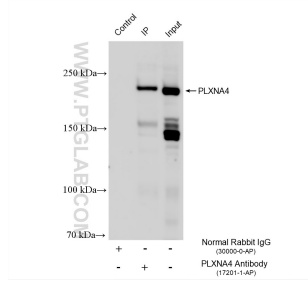
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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 17201-1-AP (PLXNA4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17201-1-PBS in a different storage buffer formulation.



IP result of anti-PLXNA4 (IP:17201-1-AP, 4ug; Detection:17201-1-AP 1:800) with mouse brain tissue lysate 1720 ug. This data was developed using the same antibody clone with 17201-1-PBS in a different storage buffer formulation.