

For Research Use Only

# KIF17 Recombinant antibody

Catalog Number: 85046-1-RR



## Basic Information

Catalog Number: 85046-1-RR	GenBank Accession Number: BC065927	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 57576	CloneNo.: 242469G4
Source: Rabbit	UNIPROT ID: Q9P2E2	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
Isotype: IgG	Full Name: kinesin family member 17	
Immunogen Catalog Number: AG6217	Calculated MW: 115 kDa	
	Observed MW: 170 kDa	

## Applications

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

## Background Information

KIF17 is a kinesin superfamily member, encoding a neuron-specific molecular motor. In neurons, KIF17 is responsible for the specialized transport of the N-methyl-D-aspartate receptor NR2B subunit, the glutamate receptor GluR5, and the potassium channel Kv4.2 from the cell body to the dendrites(PMID: 23762210).

## Storage

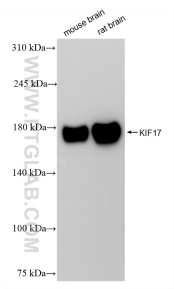
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

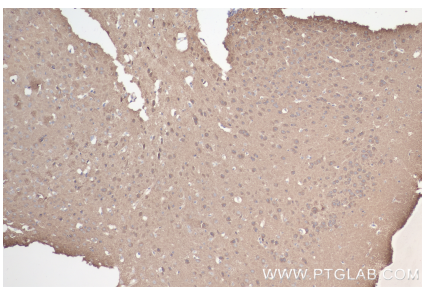
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

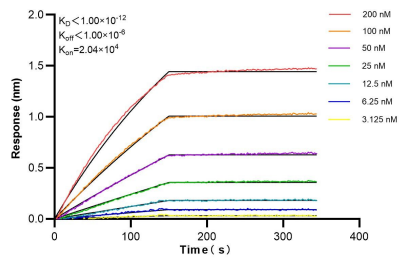
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85046-1-RR (KIF17 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85046-1-RR (KIF17 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 85046-1-RR against Human KIF17 were performed. The affinity constant is below 1 pM.