

For Research Use Only

# RIC8B Recombinant monoclonal antibody

Catalog Number: 87524-1-RR



## Basic Information

<b>Catalog Number:</b> 87524-1-RR	<b>GenBank Accession Number:</b> BC034220	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55188	<b>CloneNo.:</b> 252908A7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NVN3	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	
<b>Immunogen Catalog Number:</b> AG11888	<b>Calculated MW:</b> 495 aa, 61 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, mouse cerebellum tissue, mouse brain tissue, rat brain tissue, fetal human brain tissue, pig brain tissue, rat cerebellum tissue
<b>Species Specificity:</b> human, mouse, rat, pig	

## Background Information

Ric8, also known as synembryn, is a guanine nucleotide exchange factor (GEF) that enhances variegated G protein signaling pathways, including Gα(q) and Gα(s) regulation of neurotransmission, Gα(i)-dependent mitotic spindle positioning during (asymmetric) cell division, and Gα(olf)-dependent odorant receptor signaling (PMID: 21467038). In mammals, two Ric8 homologues have been reported (Ric8A and Ric8B). Ric8B is able to potentiate G(s)/G(olf) signaling (PMID: 15829631; 16754875; 20133939).

## Storage

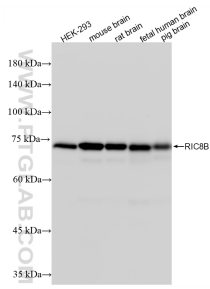
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

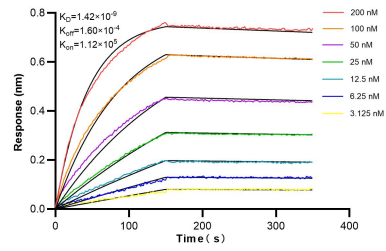
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87524-1-RR (RIC8B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87524-1-RR against Human RIC8B were performed. The affinity constant is 1.42 nM.