

For Research Use Only

RIC8B Recombinant monoclonal antibody

Catalog Number: 87524-1-RR



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, mouse cerebellum tissue, mouse brain tissue, rat brain tissue, fetal human brain tissue, pig brain tissue, rat cerebellum tissue
Species Specificity: 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 $G_{\alpha}(q)$ and $G_{\alpha}(s)$ regulation of neurotransmission, $G_{\alpha}(i)$ -dependent mitotic spindle positioning during (asymmetric) cell division, and $G_{\alpha}(olf)$ -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

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

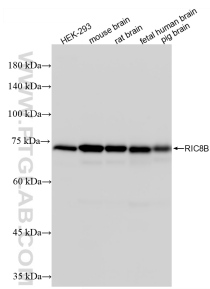
T: 4006900926

E: Proteintech-CN@ptglab.com

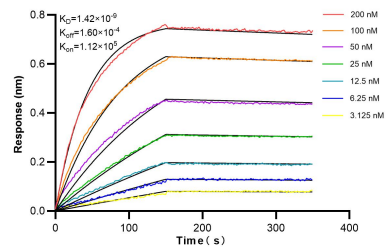
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Selected Validation Data



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.