

For Research Use Only

GALR2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87015-1-PBS



Basic Information

Catalog Number: 87015-1-PBS	GenBank Accession Number: BC074915	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8811	CloneNo.: 252067G6
Source: Rabbit	UNIPROT ID: O43603	
Isotype: IgG	Full Name: galanin receptor 2	
Immunogen Catalog Number: AG24154	Calculated MW: 387 aa, 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Galanin receptor type 2 (GALR2) is a receptor for galanin, GALP, and the hormone SPX1 (PMID:24517231). It is an important neuromodulator present in the brain, gastrointestinal system, and hypothalamo-pituitary axis. Activation of the GALR2 may protect the hippocampus from neuronal damage (PMID: 17263796). It is a 30-amino acid non-C-terminally amidated peptide that potently stimulates growth hormone secretion, inhibits cardiac vagal slowing of heart rate, abolishes sinus arrhythmia, and inhibits postprandial gastrointestinal motility. The activity of this receptor is mediated by G proteins that activate the phospholipase C/protein kinase C pathway (via G(q)) and that inhibits adenylyl cyclase. GALR2 has a calculated molecular weight of 42 kDa.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

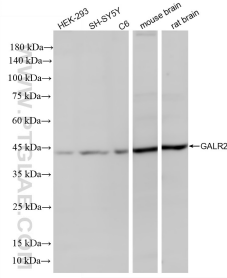
For technical support and original validation data for this product please contact:

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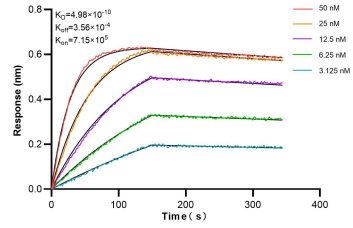
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87015-1-RR (GALR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87015-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87015-1-RR against Human GALR2 were performed. The affinity constant is 0.498 nM.