

For Research Use Only

GRM5 Recombinant monoclonal antibody

Catalog Number: 87729-1-RR



Basic Information

Catalog Number: 87729-1-RR	GenBank Accession Number: NM_000842	Purification Method: Protein A purification
Size: 100ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2915	CloneNo.: 253103B9
Source: Rabbit	UNIPROT ID: P41594	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	Full Name: glutamate receptor, metabotropic 5	
	Calculated MW: 132 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

Background Information

GRM5 (mGluR5) is a group I class C GPCR that couples to Gq/PLC β signaling to regulate postsynaptic glutamatergic transmission, calcium signaling, and synaptic plasticity. Highly enriched in cortical, hippocampal, and striatal neurons, GRM5 is a key modulator of learning, memory, excitability, and neurobehavioral circuit function. Dysregulation of GRM5 signaling has been implicated in fragile X syndrome, autism-related disorders, neuropsychiatric disease, chronic pain, and neurodegeneration, making it a major target in CNS drug discovery.

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

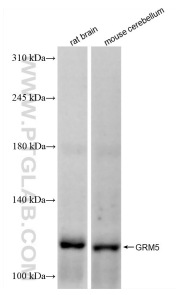
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87729-1-RR (GRM5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.