

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
Source: Rabbit	GeneID (NCBI): 2915	CloneNo.: 253103B9
Isotype: IgG	UNIPROT ID: P41594	Recommended Dilutions: WB: 1:500-1:2000
	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

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

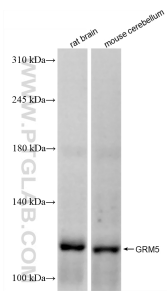
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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