

For Research Use Only

Mouse Prosaposin receptor GPR37 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88056-2-PBS



Basic Information

Catalog Number: 88056-2-PBS	GenBank Accession Number: NM_010338.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 14763	CloneNo.: 260192A7
Source: Rabbit	UNIPROT ID: Q9QY42-1	
Isotype: IgG	Full Name: G protein-coupled receptor 37	
Immunogen Catalog Number: EG10256	Calculated MW: 67 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse

Background Information

G protein-coupled receptor 37 (GPR37), also known as the prosaposin receptor, is a class A GPCR predominantly expressed in the central nervous system, especially in oligodendrocytes and select neuronal populations. GPR37 has been identified as a receptor for prosaposin and prosaptide peptides, mediating neuroprotective and glioprotective signaling. In mice, Gpr37 plays important roles in oligodendrocyte differentiation, myelination, and cellular stress responses, as well as modulation of dopaminergic signaling pathways. Functionally, GPR37 is involved in cell survival, ER stress regulation, and protein quality control, and has been linked to Parkinson's disease-related mechanisms, including its interaction with parkin (PARK2) and propensity to form intracellular aggregates under pathological conditions.

Storage

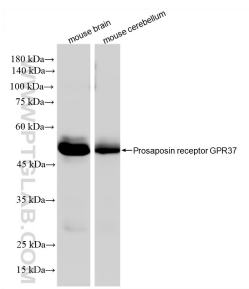
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88056-2-RR (Prosaposin receptor GPR37 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88056-2-PBS in a different storage buffer formulation.