

Prosaposin receptor GPR37 Recombinant monoclonal antibody

Catalog Number: 88056-2-RR

Basic Information

Catalog Number: 88056-2-RR	GenBank Accession Number: NM_010338.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 14763	CloneNo.: 260192A7
Isotype: IgG	UNIPROT ID: Q9QY42-1	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: EG10256	Full Name: G protein-coupled receptor 37	
	Calculated MW: 67 kDa	
	Observed MW: 50 kDa	

Applications

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

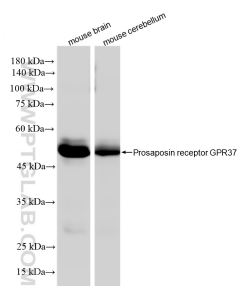
Background Information

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 -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

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.