

For Research Use Only

GPR37 Recombinant monoclonal antibody, PBS Only

Catalog Number:87095-1-PBS



Basic Information

Catalog Number: 87095-1-PBS	GenBank Accession Number: NM_005302.5	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2861	CloneNo.: 252205H3
Source: Rabbit	UNIPROT ID: O15354	
Isotype: IgG	Full Name: G protein-coupled receptor 37 (endothelin receptor type B-like)	
Immunogen Catalog Number: EG5426	Calculated MW: 67 kDa	
	Observed MW: 67 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

The orphan G protein-coupled receptor GPR37, also known as PAELR (parkin-associated endothelin receptor-like receptor) or ETBR-LP-1 (endothelin B receptor-like protein 1), is a 613 aa, multi-pass membrane protein predominantly expressed in the brain. It is a substrate of parkin (PARK2). When overexpressed in cells, GPR37 tends to become insoluble, unfolded, and ubiquitinated in vivo. Accumulation of the unfolded protein may lead to dopaminergic neuronal death in juvenile Parkinson disease (JPD). This antibody recognizes endogenous GPR37, which migrates as an approximately 50-55 kDa band in SDS-PAGE (PMID:17519329).

Storage

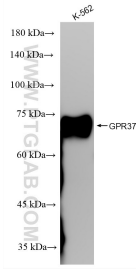
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

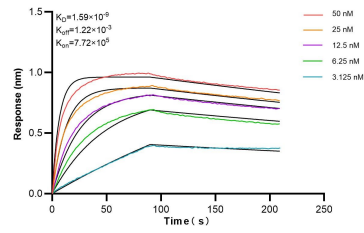
For technical support and original validation data for this product please contact:
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Selected Validation Data



K-562 cells lysates were subjected to SDS PAGE followed by western blot with 87095-1-RR (GPR37 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87095-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87095-1-RR against Human GPR37 were performed. The affinity constant is 1.59 nM.