Anti-GPR37 antibody

Description	Rabbit polyclonal to GPR37.

Model	STJ93381
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human GPR37
Immunogen Region	180-260 aa, Internal
Gene ID	2861
Gene Symbol	GPR37
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	GPR37 Polyclonal Antibody detects endogenous levels of GPR37 protein.
Tissue Specificity	Expressed in brain and spinal cord, and at lower levels in testis, placenta and liver, but no detectable expression observed in any other tissue. When overexpressed in cells, tends to become insoluble and unfolded. Accumulation of the unfolded protein may lead to dopaminergic neuronal death in juvenile Parkinson disease (PDJ).
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Prosaposin receptor GPR37 Endothelin B receptor-like protein 1 ETBR-LP-1 G-protein coupled receptor 37 Parkin-associated endothelin receptor-like

	receptor PAELR
Molecular Weight	68 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4494OMIM:602583
Alternative Names	Prosaposin receptor GPR37 Endothelin B receptor-like protein 1 ETBR-LP-1 G-protein coupled receptor 37 Parkin-associated endothelin receptor-like receptor PAELR
Function	Receptor for the neuroprotective and glioprotective factor prosaposin. Ligand binding induces endocytosis, followed by an ERK phosphorylation cascade.
Cellular Localization	Cell membrane Endoplasmic reticulum membrane
Post-translational Modifications	Ubiquitinated by PRKN in the presence of UBE2E1 and UBE2L3 in the endoplasmic reticulum. The unfolded form is specifically ubiquitinated by SYVN1, which promotes its proteasomal degradation and prevents neuronal cell death.