

Rabbit GPR37 Polyclonal Antibody | anti-GPR37 antibody

GPR37 Antibody

CATALOG # AAA267934	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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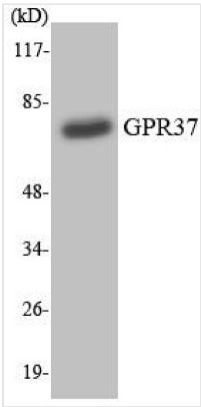
PRODUCT SYNONYMS

GPR37; Polyclonal Antibody; GPR37 Antibody; Probable G-protein coupled receptor 37; Endothelin B receptor-like protein 1; ETBR-LP-1; Parkin-associated endothelin receptor-like receptor; PAELR; anti-GPR37 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GPR37 Antibody detects endogenous levels of total GPR37 protein
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	613
Applicable Applications for anti-GPR37 antibody	WB (Western Blot)
Immunogen	The antiserum was produced against synthesized peptide derived from human GPR37. AA range:211-260
Function	function:Orphan receptor. May have a unique functional role in the central nervous system.,PTM:Ubiquitinated by PARK2 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.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Forms a complex with PARK2, STUB1 and HSP70. The amount of STUB1 in the complex increases during ER stress. STUB1 promotes the dissociation of HSP70 from PARK2, thus facilitating PARK2-mediated GPR37 ubiquitination. Interacts with PACRG.,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.
Subcellular Location	Cell membrane; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein.
Expression	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).
Preparation and Storage	Store at -15°C to -25°C/1 year.

IMAGES



WB (Western Blot)
Western blot analysis of the lysates from HT-29 cells using GPR37 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR37 antibody	Background:This gene is a member of the G protein-coupled receptor family. The encoded protein contains seven transmembrane domains and is found in cell and endoplasmic reticulum membranes. G protein-coupled receptors are involved in translating outside signals into G protein mediated intracellular effects. This gene product interacts with Parkin and is involved in juvenile Parkinson disease. [provided by RefSeq, Oct 2012]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885323
NCBI GeneID	2861
NCBI Accession #	NP_005293.1
NCBI GenBank Nucleotide #	NM_005302.4
UniProt Accession #	O15354; O00348; O14768; Q8TD39; A4D0Y6
Molecular Weight	Observed Band(KD):68kD
NCBI Official Full Name	prosaposin receptor GPR37
NCBI Official Synonym Full Names	G protein-coupled receptor 37
NCBI Official Symbol	GPR37
NCBI Official Synonym Symbols	PAELR; EDNRBL; hET(B)R-LP
NCBI Protein Information	prosaposin receptor GPR37
UniProt Protein Name	Prosaposin receptor GPR37
UniProt Gene Name	GPR37
UniProt Synonym Gene Names	ETBR-LP-1; PAELR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.