

GPR37L1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14837**Specification**

GPR37L1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O60883
Other Accession	NM_004767 , NP_004758
Reactivity	Human, Mouse, Rat, Pig, Horse, Dog
Predicted	Human, Mouse, Rat, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

GPR37L1 antibody - C-terminal region - Additional Information**Gene ID 9283**

Alias Symbol **ET(B)R-LP-2, ETBR-LP-2**

Other Names

Prosaposin receptor GPR37L1, Endothelin B receptor-like protein 2, ETBR-LP-2, G-protein coupled receptor 37-like 1, GPR37L1, ETBRLP2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-GPR37L1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

GPR37L1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

GPR37L1 antibody - C-terminal region - Protein Information

Name GPR37L1

Synonyms ETBRLP2

Function

G-protein coupled receptor (PubMed: [27072655](http://www.uniprot.org/citations/27072655)). Has been shown to bind the neuroprotective and glioprotective factor prosaposin (PSAP), leading to endocytosis followed by an ERK phosphorylation cascade (PubMed: [23690594](http://www.uniprot.org/citations/23690594)). However, other studies have shown that prosaposin does not increase activity (PubMed: [27072655](http://www.uniprot.org/citations/27072655), PubMed: [27072655](http://www.uniprot.org/citations/27072655)).

href="http://www.uniprot.org/citations/28688853" target="_blank">28688853). It has been suggested that GPR37L1 is a constitutively active receptor which signals through the guanine nucleotide-binding protein G(s) subunit alpha (PubMed:27072655). Participates in the regulation of postnatal cerebellar development by modulating the Shh pathway (By similarity). Regulates baseline blood pressure in females and protects against cardiovascular stress in males (By similarity). Mediates inhibition of astrocyte glutamate transporters and reduction in neuronal N-methyl-D-aspartate receptor activity (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, cilium membrane {ECO:0000250|UniProtKB:Q99JG2}; Multi-pass membrane protein. Note=Associates with the basal membrane of Bergmann glia cell primary cilia. {ECO:0000250|UniProtKB:Q99JG2}

Tissue Location

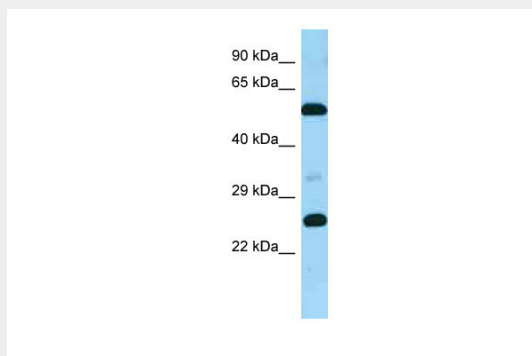
Expressed in primary cortical astrocytes (at protein level) (PubMed:23690594). Expressed in the central nervous system (PubMed:9539149).

GPR37L1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR37L1 antibody - C-terminal region - Images



WB Suggested Anti-GPR37L1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Brain

GPR37L1 antibody - C-terminal region - References

Valdenaire O.,et al.FEBS Lett. 424:193-196(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
Halim A.,et al.J. Proteome Res. 12:573-584(2013).

