

GPR37L1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10108**Specification**

GPR37L1 Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	O60883
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

GPR37L1 Antibody (N-Terminus) - Additional Information**Gene ID** 9283**Other Names**

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

Target/Specificity

Human GPR37L1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except FOXR1 (50%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GPR37L1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR37L1 Antibody (N-Terminus) - 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: [28688853](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/27072655)).

<http://www.uniprot.org/citations/27072655> (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).

Volume

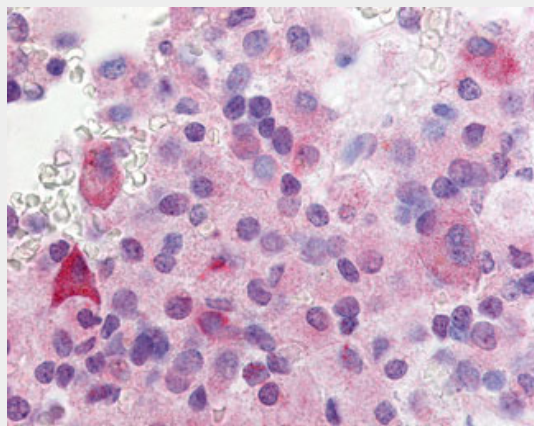
50 µl

GPR37L1 Antibody (N-Terminus) - 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 (N-Terminus) - Images



Anti-GPR37L1 antibody ALS10108 IHC of human anterior pituitary.

GPR37L1 Antibody (N-Terminus) - Background

Receptor for the neuroprotective and glioprotective factor prosaposin. Ligand binding induces endocytosis, followed by an ERK phosphorylation cascade.

GPR37L1 Antibody (N-Terminus) - 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).