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Anti-GPR37L1 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17493

Specification

Anti-GPR37L1 Antibody (C-Terminus) - Product Information

Application	**IHC-P**
Primary Accession	O60883
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**52771**
Dilution	**IHC-P~~N/A**

Anti-GPR37L1 Antibody (C-Terminus) - Additional Information

Gene ID 9283

Alias Symbol	**GPR37L1**

Other Names
GPR37L1, ETBRLP2, ET(B)R-LP-2, ETBR-LP-2, GPCR/CNS2

Target/Specificity
Human GPR37L1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Immunoaffinity purified

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

Anti-GPR37L1 Antibody (C-Terminus) - Protein Information

Name GPR37L1

Synonyms ETBRLP2

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

Anti-GPR37L1 Antibody (C-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 Cytomety
- Cell Culture

Anti-GPR37L1 Antibody (C-Terminus) - Images