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Anti-GPR37L1 Antibody
Rabbit polyclonal antibody to GPR37L1
Catalog # AP60800

Specification

Anti-GPR37L1 Antibody - Product Information

Application	**WB**
Primary Accession	O60883
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**52771**

Anti-GPR37L1 Antibody - Additional Information

Gene ID 9283

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

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GPR37L1. The exact sequence is proprietary.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-GPR37L1 Antibody - 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:<a

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}

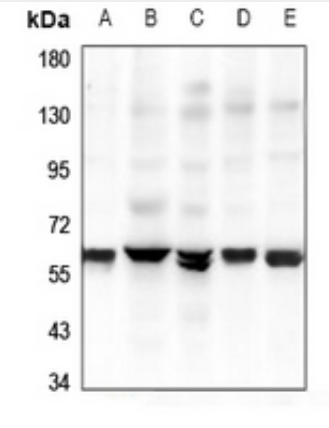
Tissue Location
Expressed in primary cortical astrocytes (at protein level) (PubMed:23690594). Expressed in the central nervous system (PubMed:9539149).

Anti-GPR37L1 Antibody - 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 - Images



Western blot analysis of GPR37L1 expression in SKOVCAR3 (A), HEK293T (B), A549 (C), LO2 (D), EC9706 (E) whole cell lysates.

Anti-GPR37L1 Antibody - Background

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