

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

Recognizes endogenous levels of GPR37L1 protein.

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](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). 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

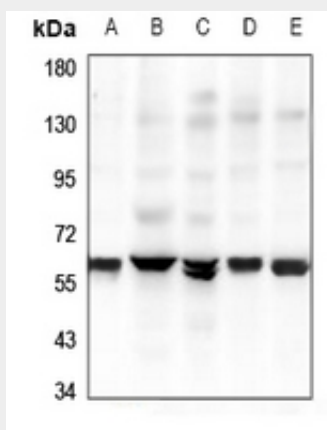
Expressed in primary cortical astrocytes (at protein level) (PubMed:23690594). Expressed in the central nervous system (PubMed:9539149).

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 Cytometry](#)
- [Cell Culture](#)

Anti-GPR37L1 Antibody - Images



Western blot analysis of GPR37L1 expression in SKOV3 (A), HEK293T (B), A549 (C), LO2 (D), EC9706 (E) whole cell lysates.

Anti-GPR37L1 Antibody - Background

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