

**GPR37L1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16532a****Specification**

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**GPR37L1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O60883](#)**GPR37L1 Antibody (N-term) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GPR37L1 Antibody (N-term) Blocking Peptide - 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)). 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 (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GPR37L1 Antibody (N-term) Blocking Peptide - Images****GPR37L1 Antibody (N-term) Blocking Peptide - Background**

GPR37L1 is orphan receptor.

**GPR37L1 Antibody (N-term) Blocking Peptide - References**

Davila, S., et al. Genes Immun. 11(3):232-238(2010)Arking, D.E., et al. PLoS ONE 5 (3), E9879 (2010) :Valdenaire, O., et al. FEBS Lett. 424(3):193-196(1998)