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Anti-GPR37L1 Antibody

Rabbit polyclonal antibody to GPR37L1
Catalog # AP60800

Product Information

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

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

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}

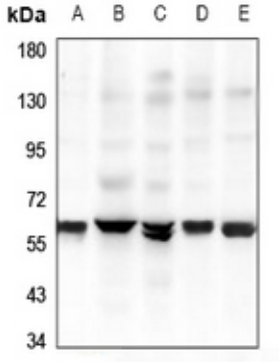
Tissue Location

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

Background

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

Images



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