Human GPR37 Alexa Fluor® 532-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 1040226

Catalog Number: FAB44502X

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR37 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 1040226
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human GPR37 synthetic peptide
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

DATA

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GPR37 (G-protein coupled receptor 37), also called ETBR-LP-1 (endothelin B receptor-like protein 1) or PAELR (Parkin-associated endothelin receptor-like receptor) is a 613 aa, ~55 kDa orphan 7-transmembrane receptor. It is mainly expressed in neuronal cells, particularly in cerebellar Purkinje cells and the hippocampus. It is a substrate of the E3 ubiquitin ligase, parkin, which is upregulated during endoplasmic reticulum stress. In a juvenile form of Parkinson's disease, GPR37 accumulates, contributing to stress-induced neuronal cell death. The extracellular portions of human and mouse GPR37 share 68% aa identity.

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