

Anti-Lgi1 Rabbit Monoclonal Antibody

Catalog # ABO15976

Product Information

Application	WB, IHC, IP
Primary Accession	O95970
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Lgi1 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	9211
Other Names	Leucine-rich glioma-inactivated protein 1, Epitempin-1, LGI1, EPT
Calculated MW	63818
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 25L55
Immunogen	A synthesized peptide derived from human Lgi1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	LGI1 {ECO:0000303 PubMed:9879993, ECO:0000312 HGNC:HGNC:6572}
Function	Regulates voltage-gated potassium channels assembled from KCNA1, KCNA4 and KCNAB1. It slows down channel inactivation by precluding channel closure mediated by the KCNAB1 subunit. Ligand for ADAM22 that positively regulates synaptic transmission mediated by AMPA-type glutamate receptors

(By similarity). Plays a role in suppressing the production of MMP1/3 through the phosphatidylinositol 3-kinase/ERK pathway (PubMed:[15047712](#)).

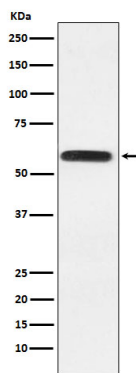
Cellular Location

Secreted. Synapse {ECO:0000250|UniProtKB:Q8K4Y5} Cytoplasm {ECO:0000250|UniProtKB:Q9JIA1} [Isoform 2]: Endoplasmic reticulum. Cytoplasm {ECO:0000250|UniProtKB:Q9JIA1}

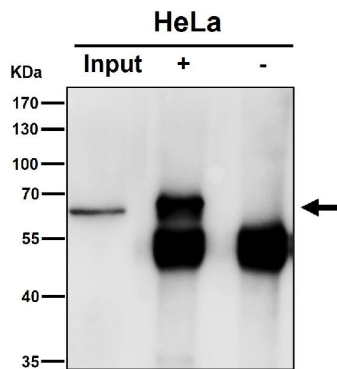
Tissue Location

[Isoform 1]: Expressed in the occipital cortex and hippocampus; higher amounts are observed in the parietal and frontal cortices, putamen, and, particularly, in the temporal neocortex, where it is between 3 and 5 times more abundant than in the hippocampus (at protein level) (PubMed:16787412). Expression is absent in the cerebellum (PubMed:16787412).

Images



Western blot analysis of Lgi1 expression in HeLa cell lysate.



Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:3K dilution)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.