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Lgi1 Antibody

Rabbit mAb
Catalog # AP92559

Product Information

Application	WB, IHC, IP
Primary Accession	O95970
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	ADLTE; ADPAEF; ADPEAF; Epitempin 1; EPITEMPIN; EPT; ETL1; LGI1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	63818

Additional Information

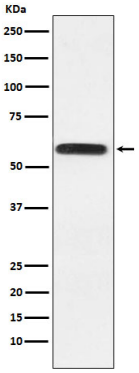
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Lgi1
Description	Regulates voltage-gated potassium channels assembled from KCNA1, KCNA4 and KCNAB1. It slows down channel inactivation by precluding channel closure mediated by the KCNAB1 subunit. Ligand for ADAM22 that positively regulates synaptic transmission mediated by AMPA-type glutamate receptors (By similarity).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

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