

LGI1 Rabbit mAb

Catalog # AP76567

Product Information

Primary Accession	O95970
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	63818

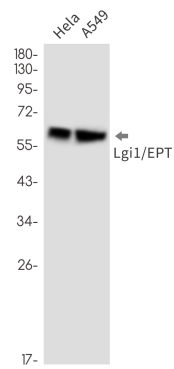
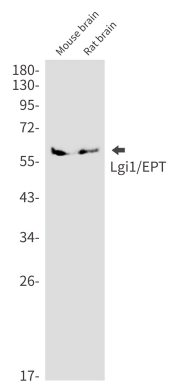
Additional Information

Gene ID	9211
Other Names	LGI1
Format	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid 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



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