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LGI1 Rabbit mAb

Catalog # AP78449

Product Information

Application	WB, IHC-P, IP
Primary Accession	O95970
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Lgi1
Purification	Affinity Purified
Calculated MW	63818

Additional Information

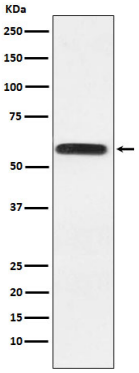
Gene ID	9211
Other Names	LGI1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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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