10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LGI3 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19469c

Product Information

Application	WB, E
Primary Accession	Q8N145
Other Accession	Q8K406, Q4R4H3, NP_644807.1
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40597
Calculated MW	61704
Antigen Region	310-338

Additional Information

Gene ID	203190
Other Names	Leucine-rich repeat LGI family member 3, LGI1-like protein 4, Leucine-rich glioma-inactivated protein 3, LGI3, LGIL4
Target/Specificity	This LGI3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 310-338 amino acids from the Central region of human LGI3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LGI3 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LGI3
Synonyms	LGIL4

Function	May participate in the regulation of neuronal exocytosis.
Cellular Location	Secreted. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle {ECO:0000250|UniProtKB:Q8K406}. Synapse, synaptosome {ECO:0000250|UniProtKB:Q8K406}. Cell projection, axon {ECO:0000250|UniProtKB:Q8K406}. Note=Found in the synaptosomal membrane fraction. Within peripheral myelinated axons, LGI3 is highly expressed at the juxtaparanodal membrane and colocalizes with the voltage-gated potassium channels Kv1.1 (KCNA1) and Kv1.2 (KCNA2), and with CNTNAP2, DLG4, ADAM22 and ADAM23 (By similarity) {ECO:0000250|UniProtKB:Q8K406}
Tissue Location	Widely expressed, with highest levels in brain and lung.

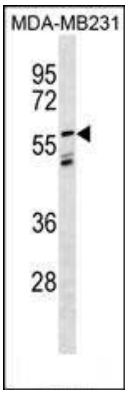
Background

LGI3 may participate in the regulation of neuronal exocytosis (By similarity).

References

Okabayashi, S., et al. Neuroreport 19(12):1175-1179(2008)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)
Staub, E., et al. Trends Biochem. Sci. 27(9):441-444(2002)
Scheel, H., et al. Hum. Mol. Genet. 11(15):1757-1762(2002)
Gu, W., et al. FEBS Lett. 519 (1-3), 71-76 (2002) :

Images



LGI3 Antibody (Center) (Cat. #AP19469c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the LGI3 antibody detected the LGI3 protein (arrow).

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