

LGI3 Antibody(Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19469c**Specification**

LGI3 Antibody(Center) - Product Information

Application	WB,E
Primary Accession	O8N145
Other Accession	O8K406 , O4R4H3 , NP_644807.1
Reactivity	Human
Predicted	Monkey, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	61704
Antigen Region	310-338

LGI3 Antibody(Center) - 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.

LGI3 Antibody(Center) - 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}

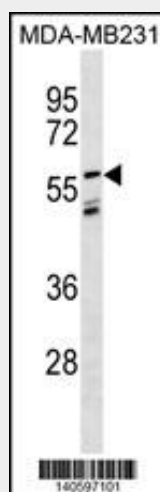
Tissue Location

Widely expressed, with highest levels in brain and lung.

LGI3 Antibody(Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LGI3 Antibody(Center) - 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).

LGI3 Antibody(Center) - Background

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

LGI3 Antibody(Center) - 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) :