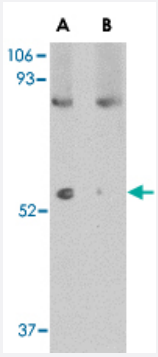
LGI1 polyclonal antibody

Catalog # PAB13351 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of LGI1 in mouse brain tissue lysate with LGI1 polyclonal antibody (Cat # PAB13351) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LGI1.
Immunogen	A synthetic peptide corresponding to N-terminus 13 amino acids from of human LGI1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Western Blot (Tissue lysate)

  Western blot analysis of LGI1 in mouse brain tissue lysate with LGI1 polyclonal antibody (Cat # PAB13351) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

Gene Info — LGI1

Entrez GeneID	9211
Protein Accession#	AAQ89244
Gene Name	LGI1
Gene Alias	EPITEMPIN, EPT, ETL1, IB1099
Gene Description	leucine-rich, glioma inactivated 1
Omim ID	137800 600512 604619
Gene Ontology	Hyperlink
Gene Summary	This gene is rearranged as a result of translocations in glioblastoma cell lines. The protein contains a hydrophobic segment representing a putative transmembrane domain with the amino terminus located outside the cell. It also contains leucine-rich repeats with conserved cysteine-rich flanking sequences. This gene is predominantly expressed in neural tissues and its expression is reduced in low grade brain tumors and significantly reduced or absent in malignant gliomas. Mutations in this gene result in autosomal dominant lateral temporal epilepsy. [provided by RefSeq
Other Designations	OTTHUMP00000020121|epilepsy, partial

Publication Reference

- CPA6, FMO2, LGI1, SIAT1 and TNC are differentially expressed in early- and late-stage oral squamous cell carcinoma--a pilot study.

  Fialka F, Gruber RM, Hitt R, Opitz L, Brunner E, Schliephake H, Kramer FJ.

  Oral Oncology 2008 Oct; 44(10):941.

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- Epilepsy-related ligand/receptor complex LGI1 and ADAM22 regulate synaptic transmission.

  Fukata Y, Adesnik H, Iwanaga T, Bredt DS, Nicoll RA, Fukata M.

  Science 2006 Sep; 313(5794):1792.

  Application: WB, Rat, Rat brains

- A novel gene, LGI1, from 10q24 is rearranged and downregulated in malignant brain tumors.

  Chernova OB, Somerville RP, Cowell JK.

  Oncogene 1998 Dec; 17(22):2873.

Disease

- Alzheimer Disease
- Depressive Disorder
- Epilepsies
- Epilepsy
- Genetic Predisposition to Disease

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