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Datasheet for 600-401-CJ5

LGI1 Antibody

Overview

Description:	Anti-LGI1 (RABBIT) Antibody - 600-401-CJ5
Item No.:	600-401-CJ5
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The leucine-rich, glioma inactivated gene 1 (LGI1) was first identified as a candidate tumor suppressor gene for glioma and may play a role in other cancers. LGI1 is a member of a family of highly related proteins containing leucine-rich repeats (LRRs) which are highly similar to other transmembrane signaling molecules and receptors. LGI1 serves as a ligand to ADAM22, a metalloprotease localized at the synapse. Mutations in LGI1 account for nearly half of autodominant lateral temporal epilepsy (ADTLE), an epileptic syndrome characterized by focal seizures with predominant auditory symptoms. Two isoforms of LGI1 are known to exist, but the top band seen in the western blot is likely to be non-specific. This LGI1 antibody is predicted to be specific to LGI1 and not recognize other LGI proteins.
Synonyms:	LGI1 Antibody, EPT, ETL1, ADLTE, ADPAEF, ADPEAF, IB1099, EPITEMPIN, EPT, UNQ775/PRO1569, Leucine-rich glioma-inactivated protein 1, Epitempin-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LGI1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-LGI1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide from near the N-terminus of human LGI1.
Purity/Specificity:	Anti-LGI1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with LGI1 from other sources has not been determined.
Relevant Links:	• UniProtKB - O95970 • GeneID - 9211 • NCBI - AAQ89244

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-LGI1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 64 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
WB:	1 µg/mL

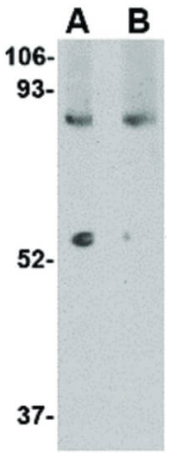
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of LGI1 antibody. Lane A: Mouse brain tissue lysate in the absence of blocking peptide. Lane B: Mouse brain tissue lysate in the presence of blocking peptide. Load: 35 µg per lane. Primary Antibody: Anti-LGI1 at 1 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 63.8 kDa, ~54 kDa for LGI1.

Disclaimer

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