

Anti-LGI1 Antibody

Catalog Number: A00850

About LGI1

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 autodominate lateral temporal epilepsy (ADTLE), an epileptic syndrome characterized by focal seizures with predominant auditory symptoms. Two isoforms of LGI1 are known to exist; this LGI1 antibody will recognize only the longer form.

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Overview

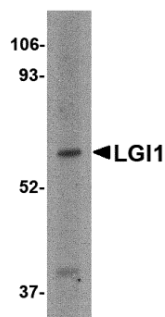
Product Name	Anti-LGI1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LGI1 Antibody (Catalog # A00850). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	LGI1 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	LGI1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O95970

Technical Details

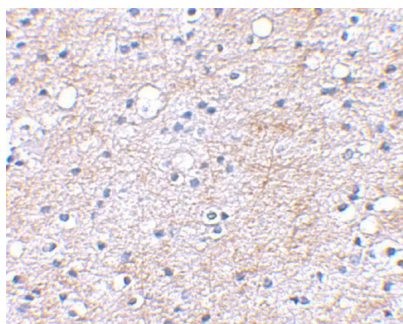
Immunogen	LGI1 antibody was raised against a 14 amino acid synthetic peptide from near the center of human LGI1. The immunogen is located within amino acids 370 - 420 of LGI1.
Predicted Reactive Species	Bovine
Cross Reactivity	This LGI1 antibody is predicted to be specific to LGI1 and not recognize other LGI proteins.

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	LGI1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	LGI1 antibody can be used for the detection of LGI1 by Western blot at 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

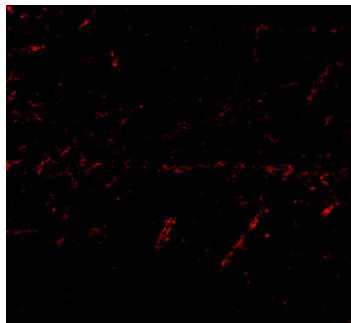
Anti-LGI1 Antibody (A00850) Images



Western blot analysis of LGI1 in HeLa cell lysate with LGI1 antibody at 2 ug/mL.



Immunohistochemical staining of human brain tissue using LGI1 antibody at 2.5 ug/mL.



Immunofluorescence of LGI1 in Human Brain cells with LGI1 antibody at 20 ug/mL.

[Anti-LGI1 Antibody](#)

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