

Datasheet for ABIN6990866
anti-LGI3 antibody (AA 390-440)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	LGI3
Binding Specificity:	AA 390-440
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LGI3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	LGI3 antibody was raised against a 12 amino acid synthetic peptide from near the center of human LGI3. The immunogen is located within amino acids 390 - 440 of LGI3.
Isotype:	IgG
Specificity:	Two isoforms of LGI3 are known to exist, this LGI3 antibody will recognize both. This LGI3 antibody is predicted to be specific to LGI3 and not recognize other LGI proteins. The observed higher molecular weight band may represent a post-translationally modified form of LGI3.
Purification:	LGI3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	LGI3
Alternative Name:	LGI3 (LGI3 Products)

Target Details

Background:	LGI3 Antibody: The leucine-rich, glioma inactivated gene 3 (LGI3) is a member of the LGI family in which LGI1 is the exemplar. The LGI family consists of four of highly related proteins containing leucine-rich repeats (LRRs) which are highly similar to other transmembrane signaling molecules and receptors. LGI1 has been identified as a candidate tumor suppressor gene for glioma and plays a role in autodominate lateral temporal epilepsy (ADTLE), an epileptic syndrome characterized by focal seizures with predominant auditory symptoms. Despite its high homology with LGI1 and similar pattern of expression, mutations in LGI3 have not been found to be associated with ADTLE. LGI3 expression is induced in rat astrocyte cultures by the amyloid beta (Abeta) peptide and accumulated on neuronal plasma membranes of aged monkey brains and co-localized with Abeta.
-------------	---

Gene ID:	203190
----------	--------

UniProt:	Q8N145
----------	------------------------

Application Details

Application Notes:	LGI3 antibody can be used for the detection of LGI3 by Western blot at 1 µg/mL. Antibody validated: Western Blot in human samples. All other applications and species not yet tested.
--------------------	--

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	LGI3 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	LGI3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.