Datasheet for ABIN500158

anti-LGI3 antibody (Center)

1 Image

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Overview

Quantity:	0.1 mg
Target:	LGI3
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LGI3 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	LGI3 antibody was raised against a 12 amino acid peptide from near the center of human LGI3.
Isotype:	IgG
Specificity:	This antibody detects LGI3 at center. It will recognize both isoforms. The 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.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	LGI3

Target Details

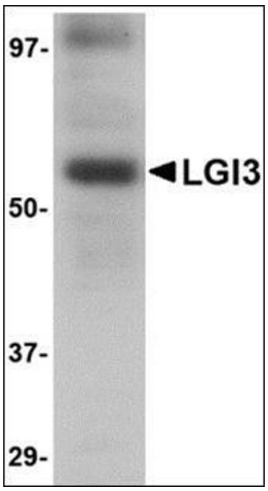
Alternative Name:	LGI3 (LGI3 Products)
Background:	The leucine-rich, glioma inactivated gene 3 (LGI3) is a member of the LGI family in which LGI1 is the exemplar. The LGI family consists of four of highly related proteins containing leucine-rich repeats (LRRs) which are highly similar to other transmembrane signaling molecules and receptors. LGI1 has been identified as a candidate tumor suppressor gene for glioma and plays a role in autodominant 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 (Ab) peptide and accumulated on neuronal plasma membranes of aged monkey brains and co-localized with Ab. Two isoforms of LGI3 are known to exist.Synonyms: LGI1-like protein 4, LGI3, LGIL4, Leucine-rich glioma-inactivated protein 3, Leucine-rich repeat LGI family member 3
Gene ID:	203190
UniProt:	Q8N145

Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of LGI3 in human brain tissue lysate with this product at 1 µg/ml.