Datasheet for ABIN1416181

anti-LGI4 antibody (AA 101-200) (Cy5.5)

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Overview

Quantity:	100 µL
Target:	LGI4
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LGI4 antibody is conjugated to Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LGI4
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	LGI4
Alternative Name:	LGI4 (LGI4 Products)
Background:	Synonyms: Leucine rich glioma inactivated gene 4, Leucine rich glioma inactivated protein 4,

Target Details

	leucine-rich repeat LGI family member 4, Leucine rich repeat LGI family member 4, LGI1 like protein 3, LGI4, Lgi4 protein, Lgil3, LGI4_HUMAN. Background: LGI4, also known as leucine-rich glioma-inactivated protein 4, is a 537 amino acid secreted glycosylated protein that is widely expressed, with highest levels found within the nervous system. Interestingly, siRNA knockdown studies of LGI4 expression in Schwann cells have been shown to result in the inhibition of myelination, thus suggesting that LGI4 is an essential component of myelin formation and axon segregation. LGI4 shares significant homology with its other family members, LGI1, LGI2 and LGI3. Significantly, mutations in the gene encoding LGI1 have been linked to human temporal lobe epilepsy and, given the sequence similarity of LGI4, it is likely that it also may be implicated in the pathology of seizures. LGI4 is localized subcellularly to the Golgi, ER and vesicles. There are two isoforms of LGI4 that are produced as a result of alternative splicing events.
Gene ID:	163175

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months