

Product Datasheet

Anti-Lgi1 Antibody FL490 Conjugate



Overview

Catalog #	75-307-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N283/7
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 37-113 (LRRNT domain and first LRR repeat) of mouse Lgi1 (accession number Q9JIA1) produced recombinantly in E. Coli
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-307-FL490, RRID: AB_2940072

Details

Target Description	Leucine Rich Glioma Inactivated 1 is encoded by the gene LGI1. LGI1 is a member of the secreted leucine-rich repeat (LRR) superfamily. LGI1 may regulate the activity of voltage-gated potassium channels and may be involved in neuronal growth regulation and cell survival. LGI1 is expressed in the brain. Diseases associated with LGI1 include Epilepsy, Familial Temporal Lobe, 1 and Autosomal Dominant Epilepsy with Auditory Features.
Specificity	Does not cross-react with Lgi2, Lgi3 or Lgi4 (based on KO validation results)
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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