

Product Datasheet

Anti-KA2 Kainate Receptor Antibody FL490 Conjugate



Overview

Catalog #	75-362-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N279B/27
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	Mouse and Rat
Immunogen	Fusion protein amino acids 825-979 (cytoplasmic C-terminus) of rat KA2 kainate receptor (accession number Q63273) produced recombinantly in E. Coli
Molecular Weight	110 kDa
Cite this Antibody	Antibodies Inc Cat# 75-362-FL490, RRID: AB_2940212

Details

Target Description	Glutamate Ionotropic Receptor Kainate Type Subunit 5 is encoded by the gene GRIK5. GRIK5 is a member of the glutamate-gated ion channel (TC 1.A.10.1) family, GRIK5 subfamily. GRIK5 forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. GRIK5 is highly expressed in the cerebral cortex, pyriform cortex, caudate-putamen, hippocampal complex, medial habenulata, and granule cell layer of the cerebellum. GRIK5 is weakly expressed in the globus pallidus, thalamus, colliculi, and the reticular thalamic nucleus. Diseases associated with GRIK5 include Schizophrenia and Autosomal Recessive Non-Syndromic Intellectual Disability.
Specificity	Does not cross-react with KA1
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 $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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