

Product Datasheet

Anti-GluN2C/NR2C Antibody FL550 Conjugate



Overview

Catalog #	75-411-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N422/18
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 836-1233 (cytoplasmic C-terminus) of rat GluN2C (accession number Q00961) produced recombinantly in E. Coli
Molecular Weight	130 kDa
Cite this Antibody	Antibodies Inc Cat# 75-411-FL550, RRID: AB_2940361

Details

Target Description	Glutamate receptor ionotropic, NMDA 2C, N-methyl D-aspartate receptor subtype 2C, or GluN2C/NR2C is encoded by the gene GRIN2C. GluN2C is a subunit of the N-methyl-D-aspartate (NMDA) receptor, which is a subtype of channel forming ionotropic glutamate receptor which is permeable to cations including calcium, potassium and sodium. GluN2C is found in the central nervous system and the cerebellum. GluN2C is thought to have an important role in physiological processes such as learning, memory, and synaptic development. Diseases associated with this gene include Alzheimer disease, Parkinson's disease and Schizophrenia.
Specificity	No cross-reactivity reported
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.

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