Human GluR3 Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 1059821

Catalog Number: FAB11329T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GluR3 in direct ELISA.
Source	Monoclonal Mouse IgG_{2B} Clone # 1059821
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic Peptide Accession # P42263
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GluR3 is a receptor for glutamate. Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiological processes. This gene belongs to a family of AMPA receptors. GluR3 is a gene product of the GRIA3 gene and its pre-mRNA is subject to RNA editing. In humans, 80-90% of GRIA3 transcripts are edited. This allows sustained response to rapid stimuli. There is a tentative link between defective GRIA3 variants and a highly elevated risk of schizophrenia.

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