Human mGluR2 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 455311

Catalog Number: FAB46761V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human mGluR2 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 455311
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line, NS0-derived human mGluR2 Glu19-Ser498 Accession # Q14416
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.*

Immunohistochemistry	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

Metabotropic glutamate receptor 2 (mGluR2, also known as GPRC1B and GRM2) is an 872 aa, predicted 96 kDa multipass G protein coupled inhibitory receptor (GPCR) belonging to group II of the metabotropic glutamate receptor family. The receptor functions as an autoreceptor for glutamate, that upon activation, inhibits the emptying of vesicular contents at the presynaptic terminal of glutamatergic neurons. It is localized largely on the presynaptic side of glutamatergic and other neurotransmitter synapses in areas of the forebrain. mGluR2 activity is potentially involved in some anxiety disorders. The long N-terminal extracellular region of human mGluR2 (aa 1-498) shares 97% aa identity with either mouse or rat mGluR2.

PRODUCT SPECIFIC NOTICES

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