Human GKAP/DLGAP1 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 727425

Catalog Number: FAB7296R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GKAP in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 727425
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human GKAP Lys368-Glu472 Accession # O14490
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

GKAP, also known as DAP1, DLGAP, and SAPAP1, is an approximately 45 kDa cytoplasmic membrane associated protein. GKAP is a component of a neuronal postsynaptic complex that also includes PSD-95 and SHANK. This complex links neurotransmitter channels with the cytoskeleton and can promote NMDA R channel opening. Alternate splice forms of human GKAP have N-terminal and/or C-terminal truncations and are differentially expressed during brain development. Within aa 368-472 human, mouse, and rat GKAP share 100% aa sequence identity.

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