Human GRAP2 Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 475804

Catalog Number: FAB4640U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human GRAP2 in Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 475804
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human GRAP2 Met1-Arg330 Accession # O75791
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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.*

Western Blot	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

GRAP2 (GRB2 related adaptor protein 2), a divergent member of the GRB2/Sem5/Drk family, is an adaptor protein involved in leukocyte-specific protein-tyrosine kinase signaing. GRAP2 shares similar structural organization as GRB2 and GRAP with a central SH2 domain flanked by 2 SH3 domains. However, unlike GRB2 and GRAP, the SH2 domain and the C-terminal SH3 domain of GRAP2 contains a unique 120-amino acid glutamine/proline rich sequence. In T lymphocytes, GRAP2 interacts with LAT and SLP-76 to regulate NF-AT (nuclear factor of activated T cells) and form a signaling complex with HPK1 to mediate the JNK signaling pathway. GRAP2 also interacts with M-CSF R and the activated T cell co-stimulatory receptor CD28.

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