Human CIB1 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 791119

Catalog Number: FAB7557R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CIB1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 791119
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human CIB1 Gly2-Leu191 Accession # E9Q3T6
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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
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

Calcium and Integrin binding protein 1 (CIB1), also known as Calmyrin, is a ubiquitously expressed 22 kDa myristoylated and membrane-associated protein. It contains two EF hand domains (aa 103-138 and aa 148-183). Calmyrin interacts with a range of proteins including Integrin alpha 2b and GPIIb/IIIa, Presenilin-2, InsP3R, Stathmin-2, Myosin 1C, Sphingosine Kinase 1, Polo-like kinases, and Rac3. Human Calmyrin shares 94% aa sequence identity with mouse and rat Calmyrin.

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