Human SH2B1 Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 700320

Catalog Number: FAB6915U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SH2B1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_{2A} Clone # 700320
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human SH2B1 Pro317-Leu467 Accession # Q9NRF2
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

SH2B1 (SH2 adaptor protein B1), also called PSM (Pro-rich, PH and SH2 domain-containing signaling mediator) is an adaptor protein that mediates signaling between receptor tyrosine kinases and JAK signaling pathways. The 756 amino acid (aa) human SH2B1 contains an N-terminal Phe-zipper dimerization domain (aa 26-82), a nuclear localization sequence (aa 224-233), a PH domain (aa 267-376), and a pY-binding SH2 domain (aa 526-614). Within the region used as an immunogen, human SH2B1 shares 92% aa sequence identity with human and mouse SH2B1. Potential isoforms of 683 and 671 diverge after aa 632; a potential 426 aa form also shows an alternate start site at aa 246.

PRODUCT SPECIFIC NOTICES

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