Human/Mouse BCAP Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 501813

Catalog Number: FAB4857R

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse BCAP in Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 501813
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human BCAP Met462-Leu650 Accession # Q6ZUJ8
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.

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

BCAP (B cell adaptor for phosphoinositide 3-kinase (PI3K)), also known as PI3KAP1, participates in linking the B cell antigen receptor (BCR) with the PI3K pathway. Tyrosine phosphorylation of BCAP by BCR-associated protein tyrosine kinases, such as Syk and Btk, generates binding sites for the p85 subunit of PI3K, resulting in activation of the PI3K pathway. Human and mouse BCAP contain 3 YXXM SH2 binding motifs for interaction with PI3K. BCAP null mice have deficient immune function, with B cells that exhibit enhanced apoptosis.

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