

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat CrkL in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 515405
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CrkL Met1-Glu303 Accession # P46109
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.
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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

CrkL is a widely-expressed 39 kDa adaptor protein that belongs to the Crk protein family and is abundantly expressed in cells of hematopoietic origin. Through its SH2 and SH3 domains, CrkL initiates interactions with numerous downstream proteins such as CBL, p130Cas, Paxillin, C3G, SOS, PI3K, c-Abl and BCR/Abl. CrkL is involved in such processes as adhesion, migration and the immune response. Furthermore, this adaptor protein plays an essential role in Chronic Myelogenous Leukemia (CML) and is constitutively phosphorylated at Y207 in CML neutrophils by the BCR/Abl kinase.

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