

Human/Mouse/Rat CrkL Antibody

Monoclonal Mouse IgG₁ Clone # 515405

Catalog Number: MAB5127

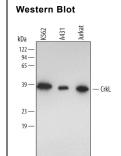
| DESCRIPTION | | |
|--------------------|--|--|
| Species Reactivity | Human/Mouse/Rat | |
| Specificity | Detects endogenous human, mouse and rat CrkL in Western blots. | |
| Source | Monoclonal Mouse IgG ₁ Clone # 515405 | |
| Purification | Protein A or G purified from hybridoma culture supernatant | |
| Immunogen | E. coli-derived recombinant human CrkL Met1-Glu303 Accession # P46109 | |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS. | |

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.

| | Recommended Concentration | Sample |
|--------------|------------------------------|-----------|
| Western Blot | 1 μg/mL | See Below |

DATA



Detection of Human CrkL by Western Blot. Western blot shows lysates of K562 human chronic myelogenous leukemia cell line, A431 human epithelial carcinoma cell line, and Jurkat human acute T cell leukemia cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse/Rat CrkL Monoclonal Antibody (Catalog # MAB5127) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for CrkL at approximately 39 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. | |
|----------------|---|--|
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. | |
| | *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C | |
| | | |

- - 12 months from date of receipt, -20 to -70 °C as supplied.
 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 - 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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, P13K, 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.

