

DESCRIPTION

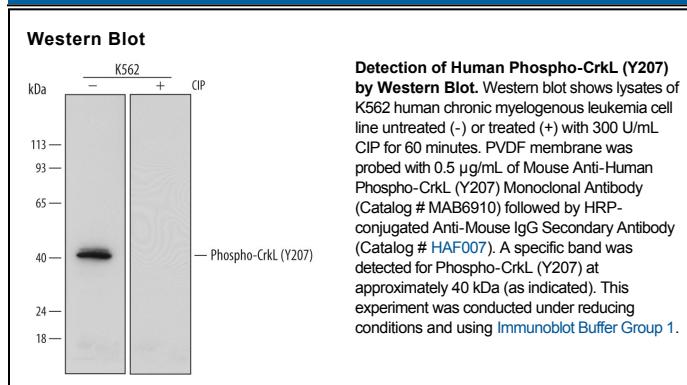
Species Reactivity	Human
Specificity	Detects human Phospho-CrkL (Y207) in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 668915
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing the human CrkL Y207 site
Formulation	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	0.5 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • 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, 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.