

Mouse anti-Human CRKL Monoclonal Antibody | anti-CRKL antibody

CRKL (Crk-like Protein) (HRP)

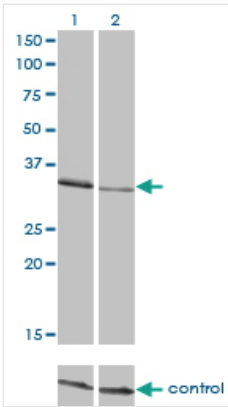
CATALOG # AAA25358	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

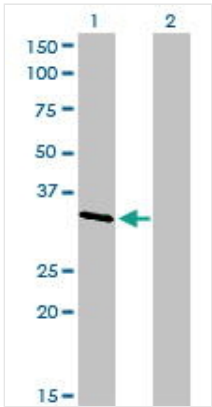
CRKL; Monoclonal Antibody; CRKL (Crk-like Protein) (HRP); anti-CRKL antibody

PRODUCT SPECIFICATIONS

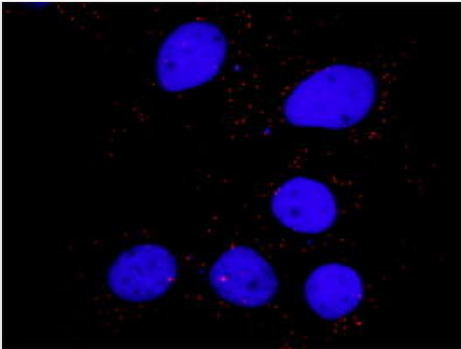
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4B5
Specificity	Recognizes human CRKL.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-CRKL antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa204-303 from human CRKL (NP_005198) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AHAYAQPQTTTLPVSGSPGAAITPLPSTQNGPVFAKAIQKRVPCAYDKTALALEVGDIVKVTRMNINGQWEGEVNGRKGLFPFTHVKIFDPQNPENE
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



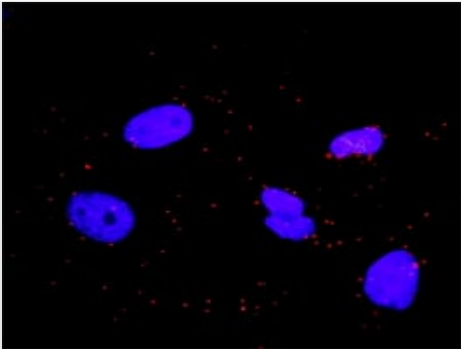
WB (Western Blot)
Western blot analysis of CRKL over-expressed 293 cell line, cotransfected with CRKL Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with CRKL monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



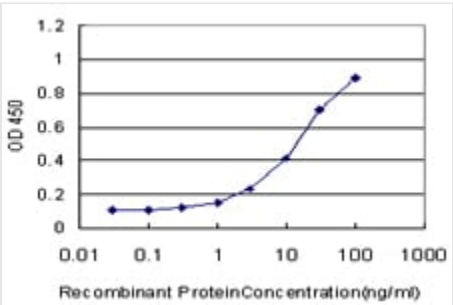
WB (Western Blot)
Western Blot analysis of CRKL expression in transfected 293T cell line by CRKL monoclonal antibody. Lane 1: CRKL transfected lysate (33.8kD). Lane 2: Non-transfected lysate.



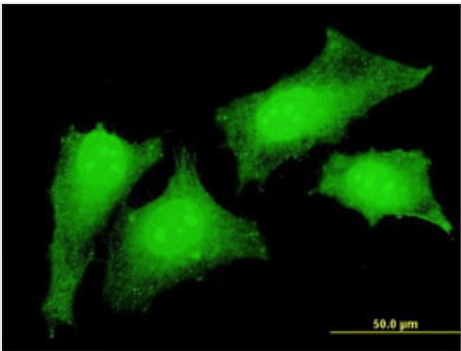
Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between PTK2 and CRKL. Huh7 cells were stained with PTK2 rabbit purified polyclonal 1:600 and CRKL mouse monoclonal antibody 1:100. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex



Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between GAB1 and CRKL. HeLa cells were stained with GAB1 rabbit purified polyclonal 1:1200 and CRKL mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



Application Data
Detection limit for recombinant GST tagged CRKL is ~0.3ng/ml as a capture antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to CRKL on HeLa cell. [antibody concentration 10ug/ml].

ADDITIONAL INFORMATION

Related Product Information for anti-CRKL antibody	This gene encodes a protein kinase containing SH2 and SH3 (src homology) domains which has been shown to activate the RAS and JUN kinase signaling pathways and transform fibroblasts in a RAS-dependent fashion. It is a substrate of the BCR-ABL tyrosine kinase, plays a role in fibroblast transformation by BCR-ABL, and may be oncogenic.
Product Categories/Family for anti-CRKL antibody	Antibodies; Disease Markers

References	1. PI3K Links NKG2D Signaling to a CrkL Pathway Involved in Natural Killer Cell Adhesion, Polarity, and Granule Secretion. Segovis CM, Schoon RA, Dick CJ, Nacusi LP, Leibson PJ, Billadeau DD.J Immunol. 2009 Jun 1;182(11):6933-42.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885153
NCBI GeneID	1399
NCBI Accession #	NP_005198
NCBI GenBank Nucleotide #	NM_005207
UniProt Accession #	P46109; A8KA44; D3DX35
Molecular Weight	35.9 kDa (323aa), confirmed by MALDI-TOF
NCBI Official Full Name	crk-like protein
NCBI Official Synonym Full Names	CRK like proto-oncogene, adaptor protein
NCBI Official Symbol	CRKL
NCBI Protein Information	crk-like protein
UniProt Protein Name	Crk-like protein
UniProt Gene Name	CRKL
UniProt Entry Name	CRKL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/monoclonal/crkl-antibody-clone-4b5-western-blot-elisa/25358>