abcam

ab32018

Anti-CrkL antibody [Y244]

Recombinant | RabMAb | KO Validated

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	Y244
Purification technique	Affinity purification Protein A
Specificity	ab32018 recognises CrkL (Crk-like)protein.
Concentration	0.194 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Human
Dilution info	1/100
Notes	-

Not recommended

Species	Mouse, Rat
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/50
Notes	-

Expected

Species	Mouse
Dilution info	1/50
Notes	-

Species	Rat
Dilution info	1/50
Notes	-

IP

Tested

Species	Mouse
Dilution info	1/50
Notes	-

Expected

Species	Rat
Dilution info	1/50

Notes	-

Species	Human
Dilution info	1/50
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1/20
Notes	-

Expected

Species	Mouse
Dilution info	1/20
Notes	-

Species	Rat
Dilution info	1/20
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Expected

Species	Mouse
Dilution info	1/1000

Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Target data

See full target information CRKL

Function	May mediate the transduction of intracellular signals.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

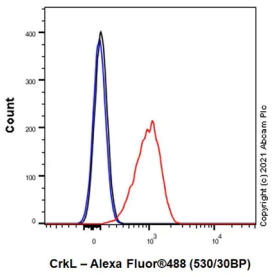
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

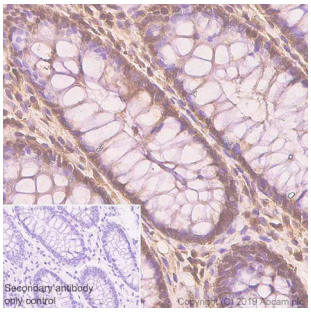
7 product images



Flow Cytometry - Anti-CrkL antibody [Y244] (ab32018)

CrkL Flow Cytometry staining using rabbit Anti-CrkL antibody

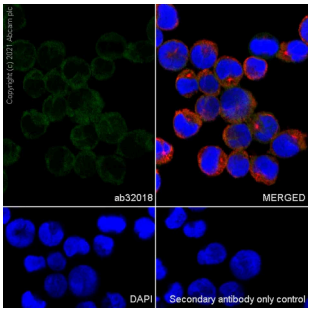
Flow Cytometry analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labelling CrkL with purified ab32018 at 1/20 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CrkL antibody [Y244] (ab32018)

CrkL Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-CrkL antibody

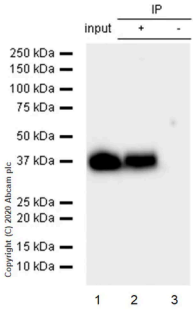
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue sections labeling CrkL with purified ab32018 at 1/100 dilution (2.24 µg/mL). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (ab209101) secondary antibody was used. PBS instead of the primary antibody was used as the negative control.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



Immunocytochemistry/ Immunofluorescence - Anti-CrkL antibody [Y244] (ab32018)

CrkL Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-CrkL antibody

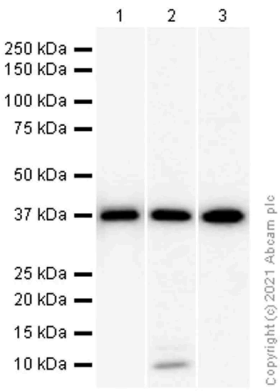
Immunocytochemistry analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labeling CrkL with purified ab32018 at 1/50 dilution (4.5 µg/mL). Cells were fixed in 100% Methanol and permeabilized with 0.1% tritonX-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor®488, ab150077) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunoprecipitation - Anti-CrkL antibody [Y244] (ab32018)

Purified ab32018 at 1/50 dilution (2µg) immunoprecipitating CrkL in K-562 whole cell lysate.
Lane 1 (input): K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate 10µg
Lane 2 (+): ab32018 + K-562 whole cell lysate.
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab32018 in K-562 whole cell lysate.
VeriBlot for IP Detection Reagent (HRP) (ab131366) (1/1000 dilution) was used for Western blotting.
Blocking Buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM/TBST.
Observed band size: 37 kDa
All lanes:
Immunoprecipitation - Anti-CrkL antibody [Y244] (ab32018)

Predicted band size: 34 kDa



Western blot - Anti-CrkL antibody [Y244] (ab32018)

CrkL Western blot staining using rabbit Anti-CrkL antibody

All lanes:
Western blot - Anti-CrkL antibody [Y244] (ab32018) at 1/1000 dilution

Lane 1:
K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate at 15 µg

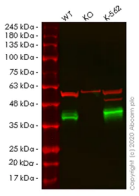
Lane 2:
Mouse thymus lysate at 15 µg

Lane 3:
Rat thymus lysate at 15 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 34 kDa



Western blot - Anti-CrkL antibody [Y244] (ab32018)

CrkL Western blot staining using rabbit Anti-CrkL antibody

Lanes 1-3: Merged signal (red and green). Green - ab32018 observed at 37 kDa. Red - loading control ab7291 observed at 50 kDa.
ab32018 Anti-CrkL antibody [Y244] was shown to specifically react with CrkL in wild-type HeLa cells. Loss of signal was observed when knockout cell line ab265993 (knockout cell lysate ab257397) was used. Wild-type and CrkL knockout samples were subjected to SDS-PAGE. ab32018 and Anti-alpha Tubulin antibody [DM1A] - Loading Control (ab7291) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (ab216776) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

All lanes:
Western blot - Anti-CrkL antibody [Y244] (ab32018) at 1/1000 dilution

Lane 1:
Wild-type HeLa cell lysate at 20 µg

Lane 2:
CRKL knockout HeLa cell lysate at 20 µg

Lane 2:
Western blot - Human CRKL knockout HeLa cell line (ab265993)

Lane 3:
K-562 cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (ab216773) at 1/10000 dilution

Predicted band size: 34 kDa

Observed band size: 37 kDa

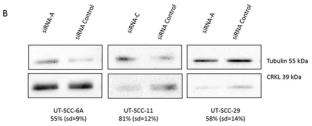


Image collected and cropped by CiteAb under a CC-BY license from the publication

Western blot - Anti-CrkL antibody [Y244] (ab32018)

CrkL western blot using anti-CrkL antibody [Y244] ab32018. Publication image and figure legend from Kostrzewska-Poczekaj, M., Bednarek, K., et al., 2020, Sci Rep, PubMed 31913340.

ab32018 was used in this publication in western blot. This may not be the same as the application(s) guaranteed by Abcam. For a full list of applications guaranteed by Abcam for ab32018 please see the product overview.

SiRNA mediated CRKL knockdown in UT-SCC-6A, UT-SCC-11 and UT-SCC-29 cell lines (RT-qPCR and Western Blot).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.