abcam

ab247210

Anti-CrkL antibody [Y244] - BSA and Azide free

Recombinant | RabMAb | KO Validated

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	Y244
Purification technique	Affinity purification Protein A
Specificity	This antibody recognises CrkL (Crk-like)protein.
Concentration	1.011 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-

Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

IP

Tested

Species	Mouse
Dilution info	-
Notes	-

Expected

Species	Human, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Tested

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information CRKL

Function May mediate the transduction of intracellular signals.

Storage

Shipped at conditions Blue Ice

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab247210 is the carrier-free version of ab32018.

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.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

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.

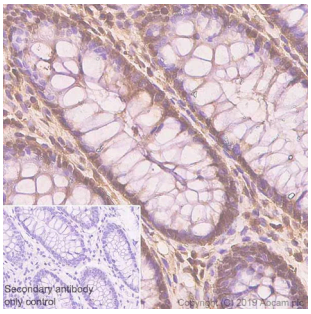
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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6 product images

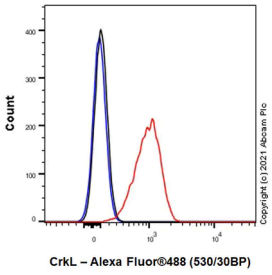


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CrkL antibody [Y244] - BSA and Azide free (ab247210)

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

This data was developed using ab32018, the same antibody clone in a different buffer formulation.

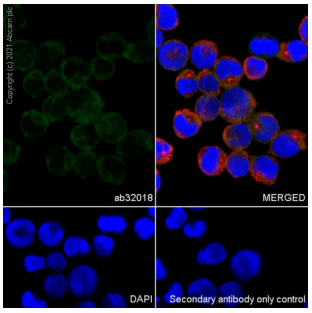
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue sections labeling CrkL with purified ab32018 at 1/100 dilution (2.24 µg/mL). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (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.



Flow Cytometry - Anti-CrkL antibody [Y244] - BSA and Azide free (ab247210)

CrkL Flow Cytometry staining using rabbit Anti-CrkL antibody

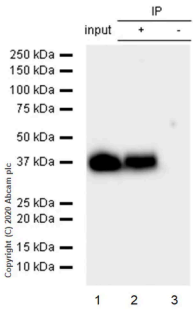
This data was developed using ab32018, the same antibody clone in a different buffer formulation. Flow Cytometry analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labelling CrkL with purified ab32018 at 1/20 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and 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).



Immunocytochemistry/ Immunofluorescence - Anti-CrkL antibody [Y244] - BSA and Azide free (ab247210)

CrkL Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-CrkL antibody

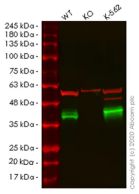
This data was developed using ab32018, the same antibody clone in a different buffer formulation. Immunocytochemistry analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labeling CrkL with purified ab32018 at 1/50 dilution (4.5 µg/mL). Cells were fixed in 100% Methanol and permeabilized 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] - BSA and Azide free (ab247210)

This data was developed using ab32018, the same antibody clone in a different buffer formulation. 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] - BSA and Azide free (ab247210)

CrkL Western blot staining using rabbit Anti-CrkL antibody

This data was developed using the same antibody clone in a different buffer formulation (ab32018).
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)

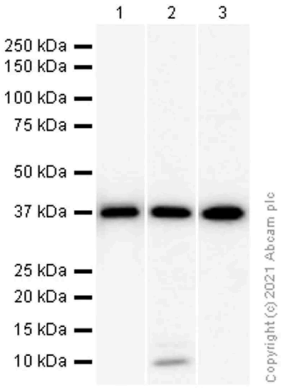
Lane 3:
K-562 cell lysate at 20 µg

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



Western blot - Anti-CrkL antibody [Y244] - BSA and Azide free (ab247210)

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

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