abcam

ab229189

Anti-BANK1 antibody [EPR20795]

Recombinant | RabMAb

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	EPR20795
Purification technique	Affinity purification Protein A
Concentration	0.64 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Expected

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

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/600
Notes	-

Expected

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

IHC-P

Tested

Species	Mouse
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Rat
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Human
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target data

See full target information BANK1

Function	Involved in B-cell receptor (BCR)-induced Ca(2+) mobilization from intracellular stores. Promotes Lyn-mediated phosphorylation of IP3 receptors 1 and 2.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
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.

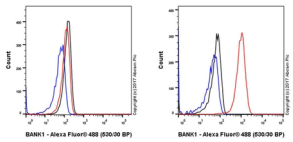
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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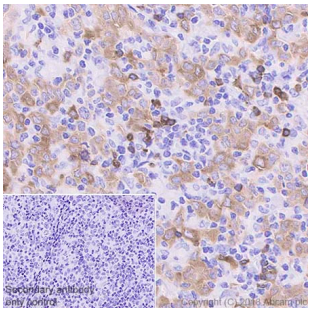
7 product images



Flow Cytometry (Intracellular) - Anti-BANK1 antibody [EPR20795] (ab229189)

BANK1 Flow Cytometry (Intracellular) staining using rabbit Anti-BANK1 antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized Jurkat (human T cell leukemia cell line from peripheral blood) (left panel) and Daudi (human Burkitt's lymphoma cell line) (right panel) cell lines labeling BANK1 with ab229189 at 1/600 dilution (red) compared with a Rabbit IgG, monoclonal [EPR25A] - Isotype Control (ab172730) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluorï¿½ 488) (ab150077) at 1/2000 dilution was used as the secondary antibody.

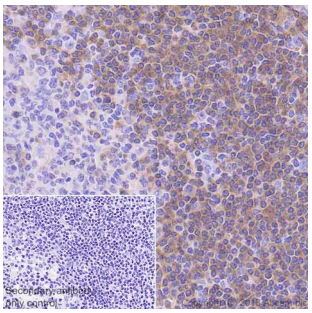


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BANK1 antibody [EPR20795] (ab229189)

BANK1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-BANK1 antibody

Immunohistochemical analysis of paraffin-embedded human large B cell lymphoma tissue labeling BANK1 with ab229189 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Cytoplasmic staining in human large B cell lymphoma cells is observed (PMID: 24879116). Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

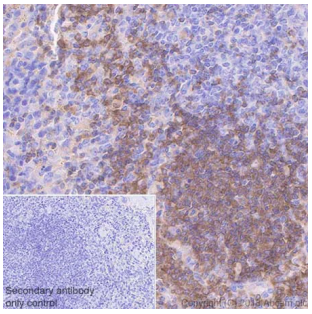


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BANK1 antibody [EPR20795] (ab229189)

BANK1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-BANK1 antibody

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling BANK1 with ab229189 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Cytoplasmic staining is weak in the germinal center but strong in the mantle zones of human tonsil (PMID: 24879116). Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

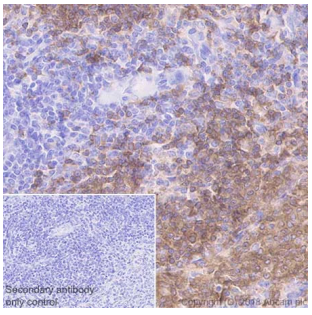


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BANK1 antibody [EPR20795] (ab229189)

BANK1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-BANK1 antibody

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling BANK1 with ab229189 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Cytoplasmic staining in mouse spleen is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

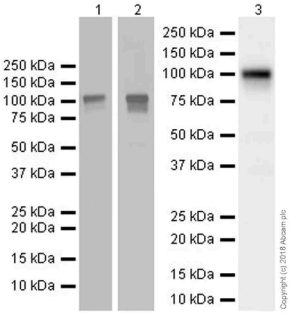


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BANK1 antibody [EPR20795] (ab229189)

BANK1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-BANK1 antibody

Immunohistochemical analysis of paraffin-embedded rat spleen tissue labeling BANK1 with ab229189 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), Ready to use. Cytoplasmic staining in rat spleen is observed. Counter stained with Hematoxylin.
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), Ready to use.

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-BANK1 antibody [EPR20795] (ab229189)

Exposure time : Lane 1: 3 minutes; Lane 2: 10 seconds; Lane 3: 58 seconds.

Blocking/Dilution buffer: 5% NFDM/TBST.

Lane 3 was developed on a BIO-RAD® ChemiDoc™ MP instrument.

The molecular mass observed is consistent with the literature (PMID: 11782428).

All lanes:
Western blot - Anti-BANK1 antibody [EPR20795] (ab229189) at 1/1000 dilution

Lane 1:
Human tonsil lysate at 20 µg

Lane 2:
Human fetal spleen lysate at 20 µg

Lane 3:
Raji (human Burkitt's lymphoma cell line) whole cell lysate at 20 µg

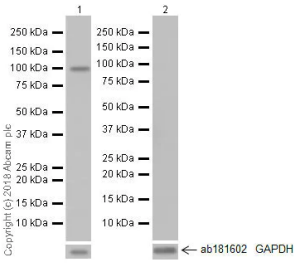
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 89 kDa

Observed band size: 100 kDa



Western blot - Anti-BANK1 antibody [EPR20795] (ab229189)

Blocking/Dilution buffer: 5% NFDM/TBST.
The molecular mass observed is consistent with the literature (PMID: 11782428).

The Jurkat cell line is a negative control for BANK1.

All lanes:
Western blot - Anti-BANK1 antibody [EPR20795] (ab229189) at 1/1000 dilution

Lane 1:
Daudi (human Burkitt's lymphoma cell line) whole cell lysate at 10 µg

Lane 2:
Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 89 kDa

Observed band size: 100 kDa

Exposure time: 3s

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