abcam

ab282122

Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR24525-3
Purification technique	Affinity purification Protein A
Concentration	1.011 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Mouse, Rat, Human
Dilution info	-

Notes	-

ICC/IF

Tested

Species	Mouse, Human
Dilution info	-
Notes	-

Expected

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

IP

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse, Human
Dilution info	-

Notes	-

Expected

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

Target data

See full target information FLNB

Function	Connects cell membrane constituents to the actin cytoskeleton. May promote orthogonal branching of actin filaments and links actin filaments to membrane glycoproteins. Anchors various transmembrane proteins to the actin cytoskeleton. Interaction with FLNA may allow neuroblast migration from the ventricular zone into the cortical plate. Various interactions and localizations of isoforms affect myotube morphology and myogenesis. Isoform 6 accelerates muscle differentiation in vitro.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

ab282122 is the carrier-free version of ab282106.

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

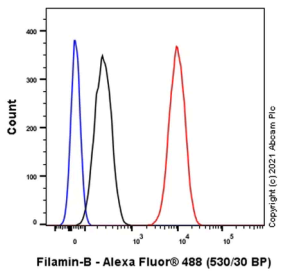
We do not recommend this combination. It is not covered by our product promise.

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.

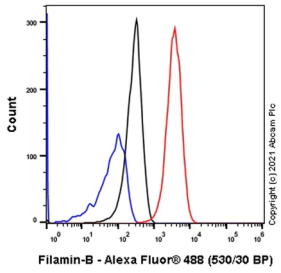
13 product images



Flow Cytometry (Intracellular) - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Flow Cytometry (Intracellular) staining using rabbit Anti-Filamin B antibody

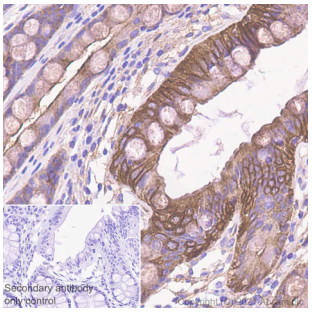
This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized HT-1080 (Human fibrosarcoma epithelial cell) cells labelling Filamin B with ab282106 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody.



Flow Cytometry (Intracellular) - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Flow Cytometry (Intracellular) staining using rabbit Anti-Filamin B antibody

This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized 293T (Human embryonic kidney epithelial cell) cells labelling Filamin B with ab282106 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody.



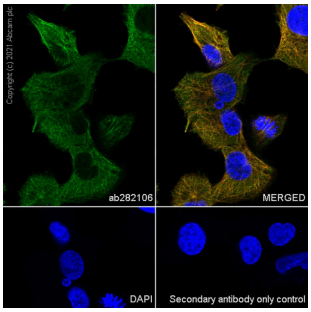
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

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

This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling Filamin B with ab282106 at 1/5000 (0.103 ug/ml) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on human colon. (PMID: 32907537) The section was incubated with ab282106 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.

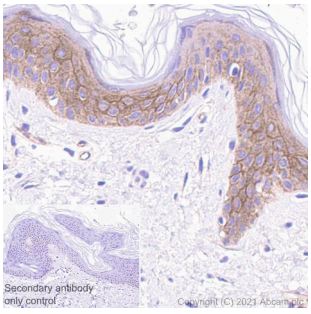


Immunocytochemistry/ Immunofluorescence - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Filamin B antibody

This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HT-1080 cells labelling Filamin B with ab282106 at 1/50 (10.3 ug/ml) dilution, followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoskeletal staining in HT-1080 cell line. ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



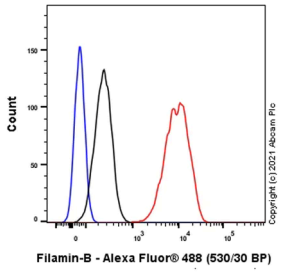
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

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

This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human skin tissue labelling Filamin B with ab282106 at 1/5000 (0.103 ug/ml) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on human skin. The section was incubated with ab282106 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

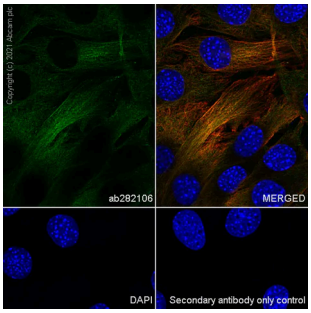
Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



Flow Cytometry (Intracellular) - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Flow Cytometry (Intracellular) staining using rabbit Anti-Filamin B antibody

This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized C2C12 (Mouse myoblasts myoblast) cells labelling Filamin B with ab282106 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody.

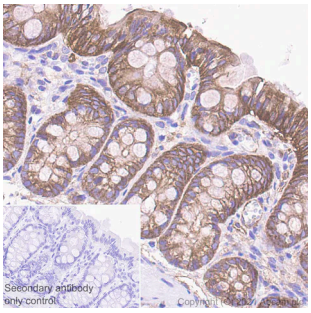


Immunocytochemistry/ Immunofluorescence - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Filamin B antibody

This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized C2C12 cells labelling Filamin B with ab282106 at 1/50 (10.3 ug/ml) dilution, followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoskeletal staining in C2C12 cell line. ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



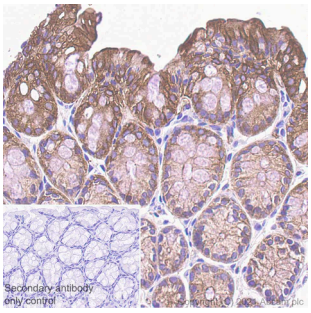
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

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

This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Rat colon tissue labelling Filamin B with ab282106 at 1/5000 (0.103 ug/ml) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on rat colon. The section was incubated with ab282106 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



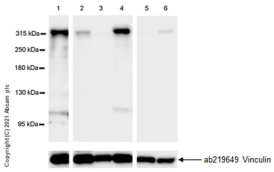
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

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

This data was developed using ab282106, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Mouse colon tissue labelling Filamin B with ab282106 at 1/5000 (0.103 ug/ml) dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on Mouse colon. The section was incubated with ab282106 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



Western blot - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Western blot staining using rabbit Anti-Filamin B antibody

This data was developed using 282106, the same antibody clone in a different buffer formulation. Blocking and diluting buffer and concentration: 5% NFDM/TBST

The expression profile/molecular weight observed is consistent with what has been described in the literature (PMID: 28175289, 11807098).

Low expression: skeletal muscle (PMID: 28175289, 11807098).

Exposure time: 26 seconds.

All lanes:
Western blot - Anti-Filamin B antibody [EPR24525-3] (ab282106) at 1/1000 dilution

Lane 1:
Human lung tissue lysate at 20 µg

Lane 2:
Human heart tissue lysate at 20 µg

Lane 3:
Human skeletal muscle tissue lysate at 20 µg

Lane 4:
Mouse lung tissue lysate at 20 µg

Lane 5:
Mouse skeletal muscle tissue lysate at 20 µg

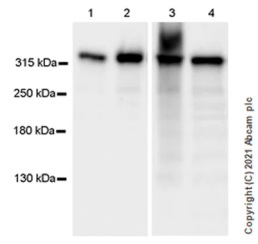
Lane 6:
Mouse brain tissue lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 278 kDa

Observed band size: 315 kDa



Western blot - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Western blot staining using rabbit Anti-Filamin B antibody

This data was developed using 282106, the same antibody clone in a different buffer formulation. Blocking and diluting buffer and concentration: 5% NFDM/TBST

The expression profile/molecular weight observed is consistent with what has been described in the literature (PMID: 28175289, 11807098).

Lysates were made freshly and used in WB test immediately to minimize protein degradation.

Exposure time: Lanes 1-2: 15 seconds; lanes 3-4: 8 seconds.
All lanes:
Western blot - Anti-Filamin B antibody [EPR24525-3] (ab282106) at 1/1000 dilution

Lane 1:
A-204 (human muscle rhabdomyosarcoma) whole cell lysate at 20 µg

Lane 2:
HEK-293T (human embryonic kidney epithelial cell) whole cell lysate at 20 µg

Lane 3:
A375 (human malignant melanoma epithelial cell) whole cell lysate at 20 µg

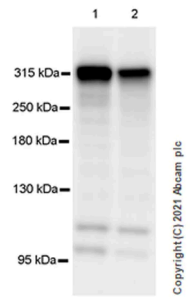
Lane 4:
HT-1080 (human fibrosarcoma epithelial cell) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 278 kDa

Observed band size: 315 kDa



Western blot - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Western blot staining using rabbit Anti-Filamin B antibody

This data was developed using 282106, the same antibody clone in a different buffer formulation. Blocking and diluting buffer and concentration: 5% NFDM/TBST

The expression profile/molecular weight observed is consistent with what has been described in the literature (PMID: 28175289, 11807098).

Exposure time: 3 seconds.

All lanes:
Western blot - Anti-Filamin B antibody [EPR24525-3] (ab282106) at 1/1000 dilution

Lane 1:
Mouse colon tissue lysate at 20 µg

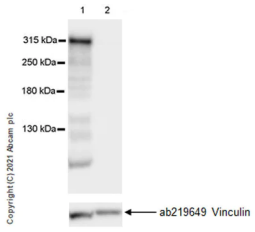
Lane 2:
Mouse stomach tissue lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 278 kDa

Observed band size: 315 kDa



Western blot - Anti-Filamin B antibody [EPR24525-3] - BSA and Azide free (ab282122)

Filamin B Western blot staining using rabbit Anti-Filamin B antibody

This data was developed using 282106, the same antibody clone in a different buffer formulation. Blocking and diluting buffer and concentration: 5% NFDM/TBST

The expression profile/molecular weight observed is consistent with what has been described in the literature (PMID: 28175289, 11807098).

Low expression: skeletal muscle (PMID: 28175289, 11807098).

Exposure time: 10 seconds.

All lanes:
Western blot - Anti-Filamin B antibody [EPR24525-3] (ab282106) at 1/1000 dilution

Lane 1:
Rat lung tissue lysate at 20 µg

Lane 2:
Rat skeletal muscle tissue lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 278 kDa

Observed band size: 315 kDa

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