abcam

ab282106

Anti-Filamin B antibody [EPR24525-3]

Recombinant | RabMAb | 20ul selling size

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	EPR24525-3
Purification technique	Affinity purification Protein A
Concentration	0.515 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Mouse
Dilution info	1/5000
Notes	-

Species	Rat

Dilution info	1/5000
Notes	-

Species	Human
Dilution info	1/5000
Notes	-

ICC/IF

Tested

Species	Mouse
Dilution info	1/50
Notes	-

Species	Human
Dilution info	1/50
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
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Species	Human
Dilution info	1/1000
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Species	Human
Dilution info	1/500
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	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.

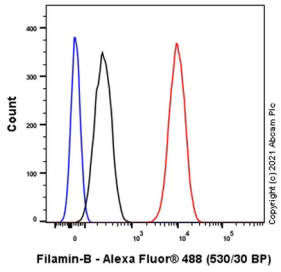
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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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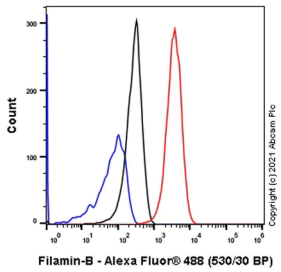
13 product images



Flow Cytometry (Intracellular) - Anti-Filamin B antibody [EPR24525-3] (ab282106)

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

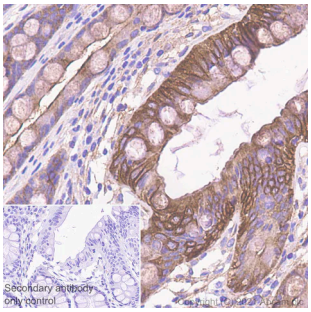
Flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized HT-1080 (Human fibrosarcoma epithelial cell) cells labelling Filamin B with ab282106 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells 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] (ab282106)

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

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.

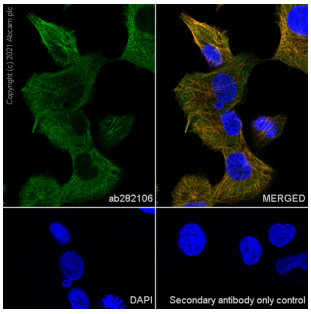


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin B antibody [EPR24525-3] (ab282106)

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

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).

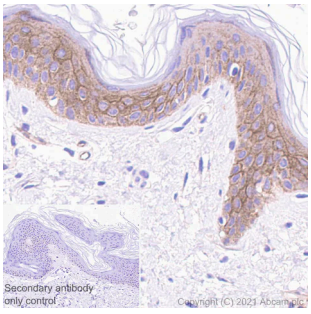
Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins



Immunocytochemistry/ Immunofluorescence - Anti-Filamin B antibody [EPR24525-3] (ab282106)

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

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.

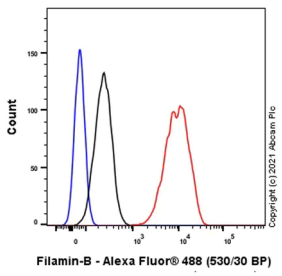


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin B antibody [EPR24525-3] (ab282106)

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

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).

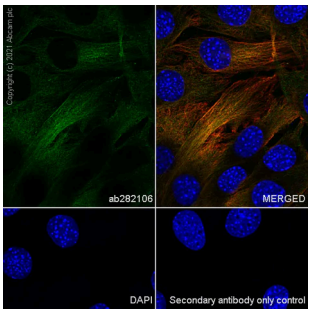
Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



Flow Cytometry (Intracellular) - Anti-Filamin B antibody [EPR24525-3] (ab282106)

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

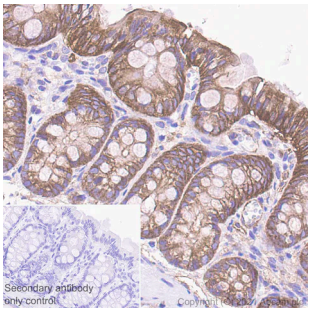
Flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized C2C12 (Mouse myoblasts myoblast) cells labelling Filamin B with ab282106 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without 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] (ab282106)

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

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.

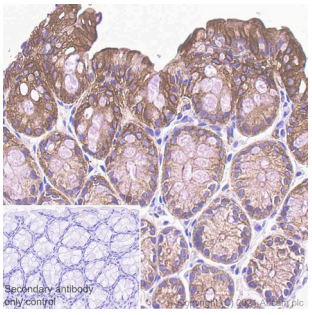


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin B antibody [EPR24525-3] (ab282106)

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

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.



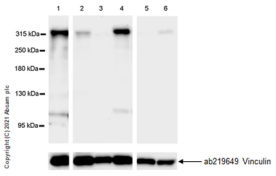
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin B antibody [EPR24525-3] (ab282106)

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

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] (ab282106)

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

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

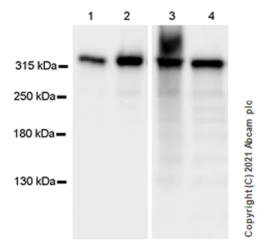
Lane 6:
Mouse brain tissue lysate at 20 µg

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] (ab282106)

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

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

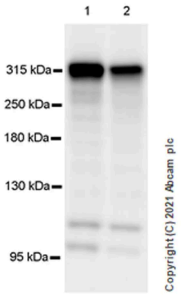
Lane 4:
HT-1080 (human fibrosarcoma epithelial cell) whole cell lysate at 20 µg

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] (ab282106)

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

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

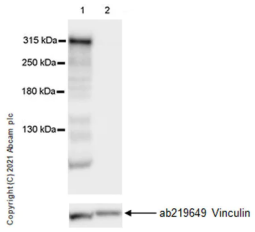
Lane 2:
Mouse stomach tissue lysate at 20 µg

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] (ab282106)

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

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'.