abcam

ab126772

Anti-Fascin antibody [EP5902]

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, 50% Tissue culture supernatant, 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	EP5902
Purification technique	Affinity purification Protein A
Concentration	0.108 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/10000 - 1/50000
Notes	-

Expected

Species	Mouse
Dilution info	1/10000 - 1/50000
Notes	-

Predicted

Species	Rat
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	1/10 - 1/100
Notes	-

Expected

Species	Mouse
Dilution info	1/10 - 1/100
Notes	-

Predicted

Species	Rat
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human

Dilution info	1/250 - 1/500
Notes	(heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.)

Expected

Species	Mouse
Dilution info	1/250 - 1/500
Notes	(heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.)

Predicted

Species	Rat
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/500
Notes	**For unpurified use at 1/100 - 1/250**

Expected

Species	Mouse
Dilution info	1/500
Notes	**For unpurified use at 1/100 - 1/250**

Predicted

Species	Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100 - 1/1000
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Expected

Species	Mouse
Dilution info	1/100 - 1/1000
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Rat
Dilution info	-
Notes	-

Target data

See full target information FSCN1

Function Actin-binding protein that contains 2 major actin binding sites (PubMed:21685497, PubMed:23184945). Organizes filamentous actin into parallel bundles (PubMed:20393565, PubMed:21685497, PubMed:23184945). Plays a role in the organization of actin filament bundles and the formation of microspikes, membrane ruffles, and stress fibers (PubMed:22155786). Important for the formation of a diverse set of cell protrusions, such as filopodia, and for cell motility and migration (PubMed:20393565, PubMed:21685497, PubMed:23184945). Mediates reorganization of the actin cytoskeleton and axon growth cone collapse in response to NGF (PubMed:22155786).

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	-20°C
Storage information	Stable for 12 months at -20°C

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

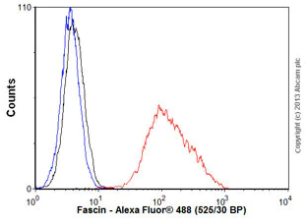
We do not recommend this combination. It is not covered by our product promise.

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.

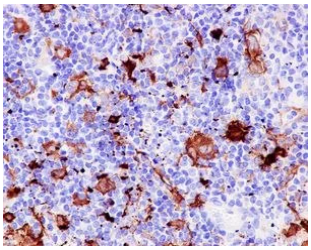
11 product images



Flow Cytometry (Intracellular) - Anti-Fascin antibody [EP5902] (ab126772)

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

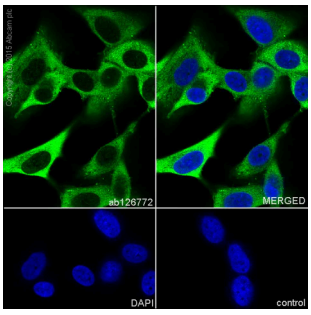
Overlay histogram showing HeLa cells stained with ab126772 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab126772, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (ab150077) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fascin antibody [EP5902] (ab126772)

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

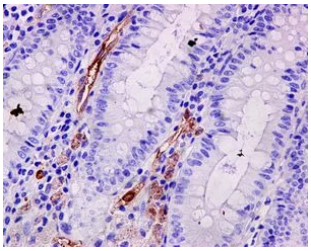
ab126772, at 1/250 dilution, staining Fascin in paraffin-embedded Human Hodgkin's lymphoma tissue by Immunohistochemistry.
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Fascin antibody [EP5902] (ab126772)

Fascin Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Fascin antibody

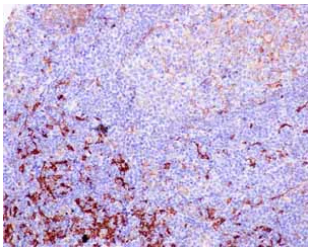
Immunocytochemistry/Immunofluorescence analysis of U87-MG (human glioblastoma) labelling Fascin with purified ab126772 at 1/500. Cells were fixed with 100% methanol. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (ab150077) at dilution of 1/1000 was used as the secondary antibody. Nuclei couterstained with DAPI (blue).
Secondary Only Control: PBS was used instead of the primary antibody as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fascin antibody [EP5902] (ab126772)

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

ab126772, at 1/250 dilution, staining Fascin in paraffin-embedded Human colon tissue by Immunohistochemistry.
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

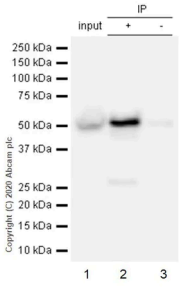


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fascin antibody [EP5902] (ab126772)

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

ab126772 showing positive staining in Normal tonsil tissue.

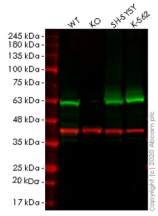
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Fascin antibody [EP5902] (ab126772)

Purified ab126772 at 1/20 dilution (0.5µg) immunoprecipitating Fascin in HepG2 whole cell lysate.
Lane 1 (input): HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate 10µg
Lane 2 (+): ab126772 + HepG2 whole cell lysate.
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab126772 in HepG2 whole cell lysate.
VeriBlot for IP Detection Reagent (HRP) (ab131366) (1/5000 dilution) was used for Western blotting.
Blocking Buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM/TBST.
Observed band size: 54 kDa
All lanes:
Immunoprecipitation - Anti-Fascin antibody [EP5902] (ab126772)

Predicted band size: 54 kDa



Western blot - Anti-Fascin antibody [EP5902] (ab126772)

Fascin Western blot staining using rabbit Anti-Fascin antibody

Lanes 1-4: Merged signal (red and green). Green - ab126772 observed at 60 kDa. Red - loading control ab8245 observed at 36 kDa.
ab126772 Anti-Fascin antibody [EP5902] was shown to specifically react with Fascin in wild-type HCT116 cells. Loss of signal was observed when knockout cell line ab266895 (knockout cell lysate ab257444) was used. Wild-type and Fascin knockout samples were subjected to SDS-PAGE. ab126772 and Anti-GAPDH antibody [6C5] - Loading Control (ab8245) 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-Fascin antibody [EP5902] (ab126772) at 1/1000 dilution

Lane 1:
Wild-type HCT116 cell lysate at 20 µg

Lane 2:
Western blot - Human FSCN1 (Fascin) knockout HCT116 cell lysate (ab257444) at 20 µg

Lane 3:
SH-SY5Y cell lysate at 20 µg

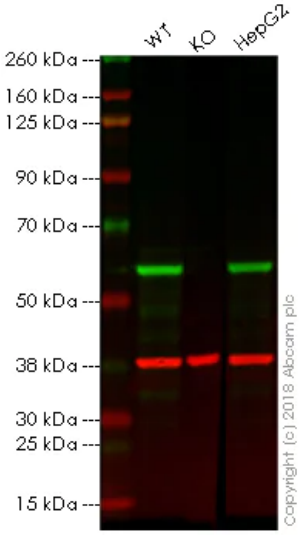
Lane 4:
K-562 cell lysate at 20 µg

Secondary

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

Predicted band size: 54 kDa

Observed band size: 60 kDa



Western blot - Anti-Fascin antibody [EP5902] (ab126772)

Fascin Western blot staining using rabbit Anti-Fascin antibody

Lanes 1 - 3: Merged signal (red and green). Green - ab126772 observed at 54 kDa. Red - loading control, ab9484, observed at 37 kDa.

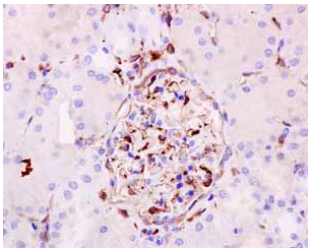
ab126772 was shown to specifically react with Fascin in wild-type HAP1 cells as signal was lost in FSCN1 (Fascin) knockout cells. Wild-type and FSCN1 (Fascin) knockout samples were subjected to SDS-PAGE. ab126772 and ab9484 (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ab216773 and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ab216776 secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.
All lanes:
Western blot - Anti-Fascin antibody [EP5902] (ab126772) at 1/1000 dilution

Lane 1:
Wild-type HAP1 whole cell lysate at 20 µg

Lane 2:
FSCN1 (Fascin) knockout HAP1 whole cell lysate at 20 µg

Lane 3:
HepG2 whole cell lysate at 20 µg

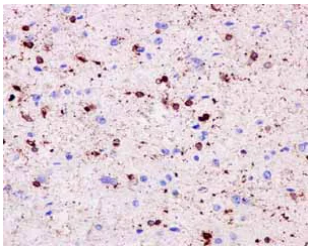
Predicted band size: 54 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fascin antibody [EP5902] (ab126772)

ab126772 showing positive staining in Normal kidney tissue.

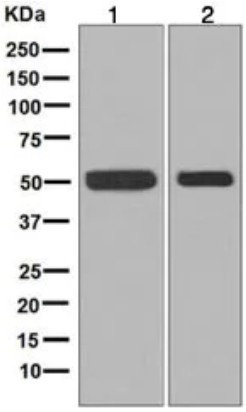
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fascin antibody [EP5902] (ab126772)

ab126772 showing positive staining in Glioma tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-Fascin antibody [EP5902] (ab126772)

All lanes:
Western blot - Anti-Fascin antibody [EP5902] (ab126772) at 1/10000 dilution

Lane 1:
SH SY5Y cell lysate at 10 µg

Lane 2:
K562 cell lysate at 10 µg

Secondary

All lanes:
HRP-conjugated goat anti-rabbit at 1/2000 dilution

Predicted band size: 54 kDa

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