abcam

Product datasheet

Anti-Moesin antibody [EP1863Y] ab52490

KO 評価済 リコンビナント RabMAb

★★★★★ 2 Abreviews 9 References 画像数 9

製品の概要

製品名	Anti-Moesin antibody [EP1863Y]
製品の詳細	Rabbit monoclonal [EP1863Y] to Moesin
由来種	Rabbit
特異性	This antibody reacts with Moesin
アプリケーション	**適用あり:** ICC/IF, IHC-FoFr, WB, IP, Flow Cyt, IHC-P
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human Moesin aa 450-550 (C terminal). The exact sequence is proprietary. Database link: P26038 (Peptide available as ab201545)
ポジティブ・コントロール	WB: Hela cell lysate IHC-P: Human tonsil tissue
特記事項	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents **We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.** This product is a recombinant rabbit monoclonal antibody.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified

ポリ/モノ	**モノクローナル**
クローン名	EP1863Y
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab52490** in the following tested applications.

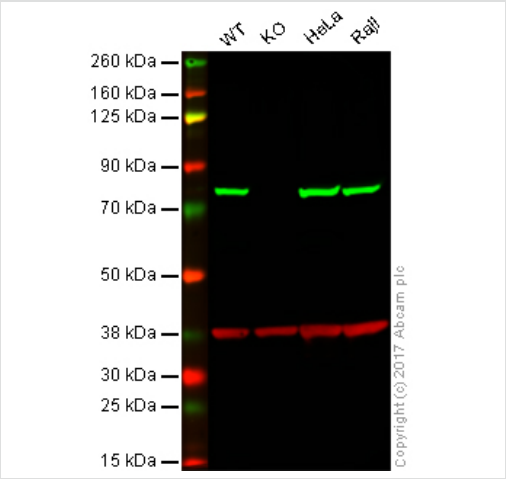
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		1/100 - 1/250.
IHC-FoFr		Use at an assay dependent concentration. PubMed: 19853564
WB	★★★★★	1/20000. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa). **For unpurified use at 1/1000 - 1/10000.**
IP		1/20 - 1/70.
Flow Cyt		1/30 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/50. See IHC antigen retrieval protocols.

ターゲット情報

機能	Probably involved in connections of major cytoskeletal structures to the plasma membrane.
組織特異性	In all tissues and cultured cells studied.
配列類似性	Contains 1 FERM domain.
翻訳後修飾	Phosphorylation on Thr-558 is crucial for the formation of microvilli-like structures.
細胞内局在	Cell membrane. Cytoplasm > cytoskeleton. Apical cell membrane. Cell projection > microvillus membrane. Phosphorylated form is enriched in microvilli-like structures at apical membrane (By similarity). Increased cell membrane localization of both phosphorylated and non-phosphorylated forms seen after thrombin treatment.

画像

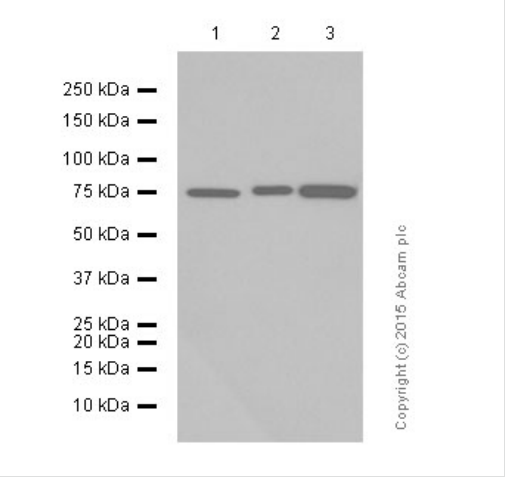


Western blot - Anti-Moesin antibody [EP1863Y] (ab52490)

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)
Lane 2: Moesin knockout HAP1 whole cell lysate (20 µg)
Lane 3: HeLa whole cell lysate (20 µg)
Lane 4: Raji whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab52490 observed at 75 kDa. Red - loading control, ab9484, observed at 37 kDa.

ab52490 was shown to specifically react with Moesin in wild-type HAP1 cells as signal was lost in Moesin knockout cells. Wild-type and Moesin knockout samples were subjected to SDS-PAGE. Ab52490 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.



Western blot - Anti-Moesin antibody [EP1863Y] (ab52490)

All lanes : Anti-Moesin antibody [EP1863Y] (ab52490) at 1/20000 dilution (purified)

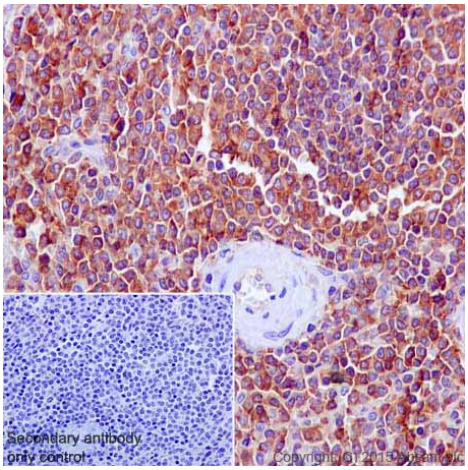
Lane 1 : HeLa cell lysate
Lane 2 : Raji cell lysate
Lane 3 : SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

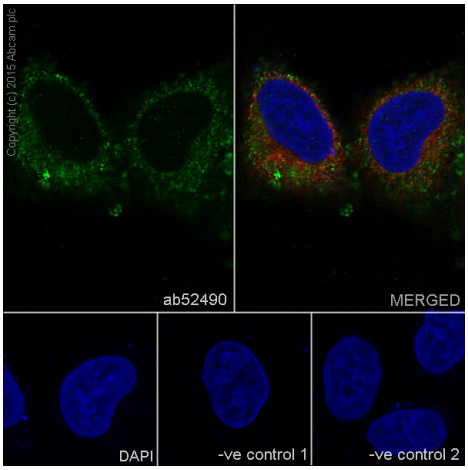
Predicted band size: 68 kDa

Blocking buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Moesin antibody [EP1863Y] (ab52490)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human spleen tissue labelling Moesin with purified ab52490 at 1/50. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. ab97051, a goat anti-rabbit IgG H&L (HRP) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

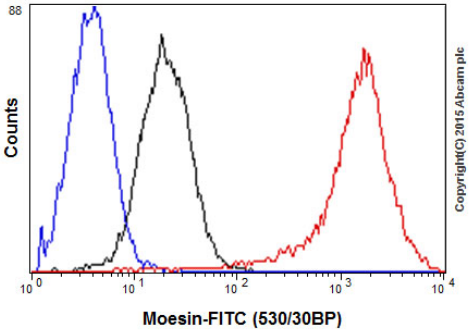


Immunocytochemistry/ Immunofluorescence - Anti-Moesin antibody [EP1863Y] (ab52490)

Immunocytochemistry/Immunofluorescence analysis of HeLa (human cervix adenocarcinoma) cells labelling Moesin with purified ab52490 at 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. ab150077, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. ab7291, a mouse anti-tubulin (1/1000) and ab150120, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000) were also used.

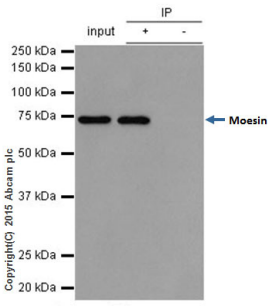
Control 1: primary antibody (1/100) and secondary antibody, ab150120, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/500).

Control 2: ab7291 (1/1000) and secondary antibody, ab150077, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500).



Flow Cytometry - Anti-Moesin antibody [EP1863Y] (ab52490)

Flow Cytometry analysis of HeLa cells labelling Moesin with purified ab52490 at 1/30 (red). Cells were fixed with 4% paraformaldehyde. A FITC-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.

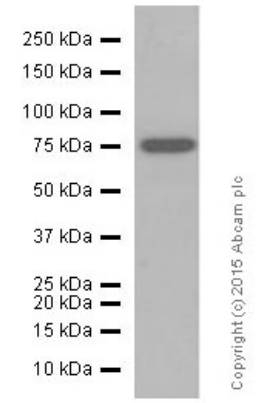


Immunoprecipitation - Anti-Moesin antibody [EP1863Y] (ab52490)

ab52490 (purified) at 1/20 immunoprecipitating Moesin in HeLa whole cell lysate. 10 ug of cell lysate was present in the input. For western blotting, a HRP-conjugated Veriblot for IP secondary antibody (ab131366) (1/10,000) was used as the secondary antibody. A rabbit monoclonal IgG (ab172730) was used intead of ab128913 as a negative control (Lane 3).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-Moesin antibody [EP1863Y] (ab52490)

Anti-Moesin antibody [EP1863Y] (ab52490) at 1/50000 dilution (purified) + C6 cell lysate at 20 µg

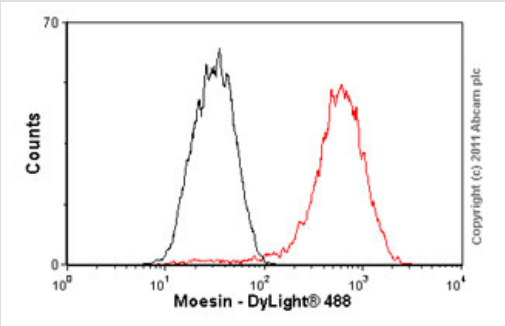
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 68 kDa

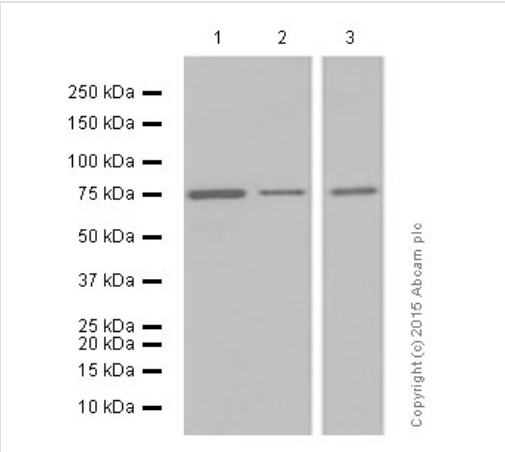
Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Flow Cytometry - Anti-Moesin antibody [EP1863Y] (ab52490)

Overlay histogram showing HeLa cells stained with unpurified ab52490 (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 (ab52490, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (ab96899) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.



Western blot - Anti-Moesin antibody [EP1863Y] (ab52490)

All lanes : Anti-Moesin antibody [EP1863Y] (ab52490) at 1/20000 dilution (purified)

Lane 1 : Neuro-2a cell lysate
Lane 2 : Mouse heart lysate
Lane 3 : Rat heart lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 68 kDa

Blocking buffer and concentration: 5% NFDM/TBST.
Diluting buffer and concentration: 5% NFDM /TBST.

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