

Anti-Flotillin 1 antibody [EP446Y] ab78178

KO 評価済 リコンビナント RabMAb

1 References 画像数 6

製品の概要

製品名	Anti-Flotillin 1 antibody [EP446Y]
製品の詳細	Rabbit monoclonal [EP446Y] to Flotillin 1
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Flotillin 1 aa 50-150. The exact sequence is proprietary. Database link: O75955
ポジティブ・コントロール	WB: HEK293T, A431, HAP1, C6, K562 and HeLa cell lysates; Mouse and rat brain lysates
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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: 59% PBS, 40% Glycerol (glycerin, glycerine), 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	EP446Y
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab78178の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000. Predicted molecular weight: 48 kDa. For unpurified, use 1/500 - 1/1000.

ターゲット情報

機能

May act as a scaffolding protein within caveolar membranes, functionally participating in formation of caveolae or caveolae-like vesicles.

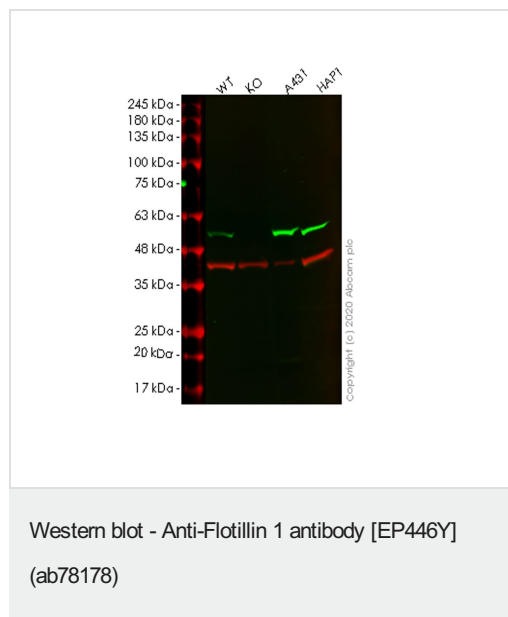
配列類似性

Belongs to the band 7/mec-2 family. Flotillin subfamily.

細胞内局在

Cell membrane. Membrane > caveola. Melanosome. Endosome. Membrane-associated protein of caveolae. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

画像



All lanes : Anti-Flotillin 1 antibody [EP446Y] (ab78178) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate

Lane 2 : FLOT1 knockout HEK293T cell lysate

Lane 3 : A431 cell lysate

Lane 4 : HAP1 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

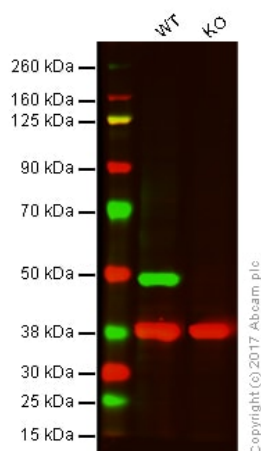
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 48 kDa

Observed band size: 50 kDa

Lanes 1-4: Merged signal (red and green). Green - ab78178 observed at 50 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

ab78178 Anti-Flotillin 1 antibody [EP446Y] was shown to specifically react with Flotillin 1 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line [ab267276](#) (knockout cell lysate [ab257109](#)) was used. Wild-type and Flotillin 1 knockout samples were subjected to SDS-PAGE. ab78178 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.



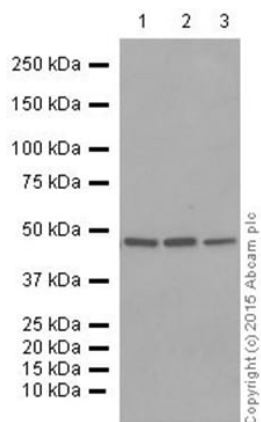
Western blot - Anti-Flotillin 1 antibody [EP446Y] (ab78178)

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

Lane 2: Flotillin 1 knockout HAP1 whole cell lysate (20 µg)

Lanes 1 - 2: Merged signal (red and green). Green - ab78178 observed at 47 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

ab78178 was shown to specifically react with Flotillin 1 in wild-type HAP1 cells as signal was lost in Flotillin 1 knockout cells. Wild-type and Flotillin 1 knockout samples were subjected to SDS-PAGE. ab78178 and [ab9484](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/500 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-Flotillin 1 antibody [EP446Y] (ab78178)

All lanes : Anti-Flotillin 1 antibody [EP446Y] (ab78178) at 1/2000 dilution (purified)

Lane 1 : mouse brain lysate at 10 µg

Lane 2 : rat brain lysate at 20 µg

Lane 3 : C6 cell lysate at 20 µg

Secondary

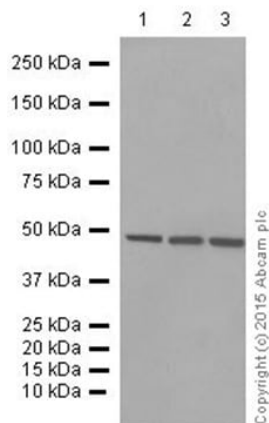
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/50000 dilution

Predicted band size: 48 kDa

Observed band size: 49 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Flotillin 1 antibody [EP446Y]
(ab78178)

All lanes : Anti-Flotillin 1 antibody [EP446Y] (ab78178) at 1/2000 dilution (purified)

Lane 1 : K562 cell lysate

Lane 2 : A431 cell lysate

Lane 3 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : HRP goat anti-rabbit IgG (H+L) at 1/50000 dilution

Predicted band size: 48 kDa

Observed band size: 49 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST







Western blot - Anti-Flotillin 1 antibody [EP446Y]
(ab78178)

Anti-Flotillin 1 antibody [EP446Y] (ab78178) at 1/500 dilution (unpurified) + K562 cell lysate

Predicted band size: 48 kDa

Observed band size: 48 kDa

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Flotillin 1 antibody [EP446Y] (ab78178)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors