

Anti-VAV3 antibody [EP1130Y] ab52938

KO 評価済 リコンビナント RabMAb

6 References 画像数 6

製品の概要

製品名	Anti-VAV3 antibody [EP1130Y]
製品の詳細	Rabbit monoclonal [EP1130Y] to VAV3
由来種	Rabbit
アプリケーション	適用あり: WB, Flow Cyt (Intra), IP, ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Jurkat and HeLa cell lysates. ICC/IF: Jurkat cells; IP: Jurkat whole cell lysate; Flow Cyt (intra): Jurkat cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

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 long term. 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 EP1130Y
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ab52938の使用に適用されず**
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。

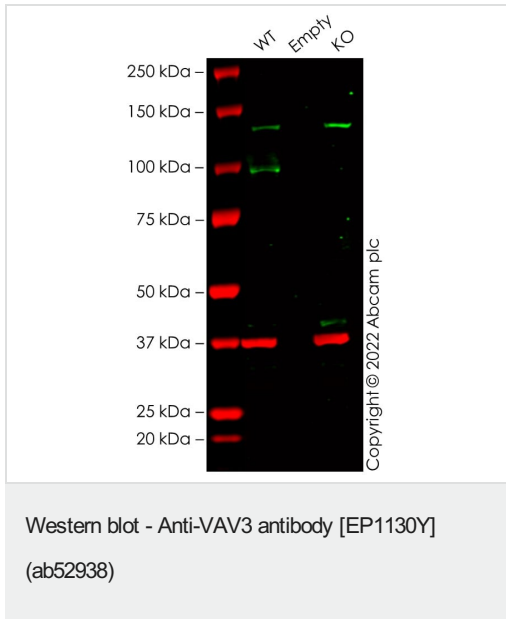
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 98 kDa (predicted molecular weight: 98 kDa).
Flow Cyt (Intra)		1/40. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/30.
ICC/IF		1/50.

ターゲット情報

機能 Exchange factor for GTP-binding proteins RhoA, RhoG and, to a lesser extent, Rac1. Binds physically to the nucleotide-free states of those GTPases. Plays an important role in angiogenesis. Its recruitment by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly.

配列類似性 Contains 1 CH (calponin-homology) domain.
Contains 1 DH (DBL-homology) domain.
Contains 1 PH domain.
Contains 1 phorbol-ester/DAG-type zinc finger.
Contains 1 SH2 domain.
Contains 2 SH3 domains.

画像



Lanes 1 & 3 : Anti-VAV3 antibody [EP1130Y] (ab52938) at 1/1000 dilution

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

Lane 2 : Empty

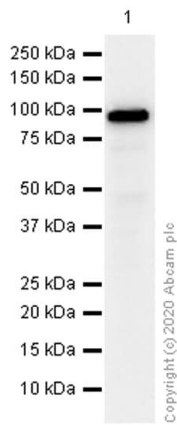
Lane 3 : VAV3 knockout HeLa cell lysate at 20 µg

Performed under reducing conditions.

Predicted band size: 98 kDa

Observed band size: 98 kDa

False colour image of Western blot: Anti-VAV3 antibody [EP1130Y] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab52938 was shown to bind specifically to VAV3. A band was observed at 98 kDa in wild-type HeLa cell lysates with no signal observed at this size in VAV3 knockout cell line [ab265419](#) (knockout cell lysate [ab258280](#)). To generate this image, wild-type and VAV3 knockout HeLa cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



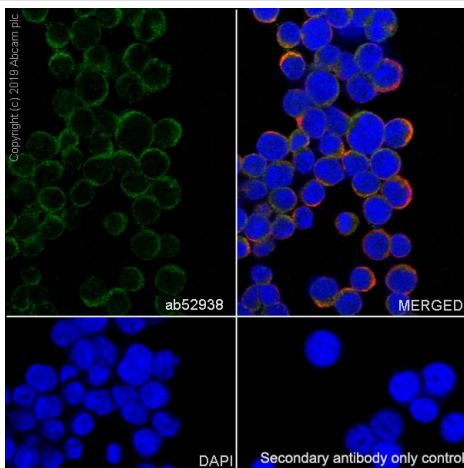
Western blot - Anti-VAV3 antibody [EP1130Y] (ab52938)

Anti-VAV3 antibody [EP1130Y] (ab52938) at 1/1000 dilution (Purified) + Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 98 kDa



Immunocytochemistry/ Immunofluorescence - Anti-VAV3 antibody [EP1130Y] (ab52938)

Immunocytochemistry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling VAV3 with purified ab52938 at 1/50 dilution (7.2 µg/mL). Cells were fixed in 100% Methanol and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunoprecipitation - Anti-VAV3 antibody [EP1130Y] (ab52938)

Purified ab52938 at 1/30 dilution (2µg) immunoprecipitating VAV3 in Jurkat whole cell lysate.

Lane 1 (input): Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate 10µg.

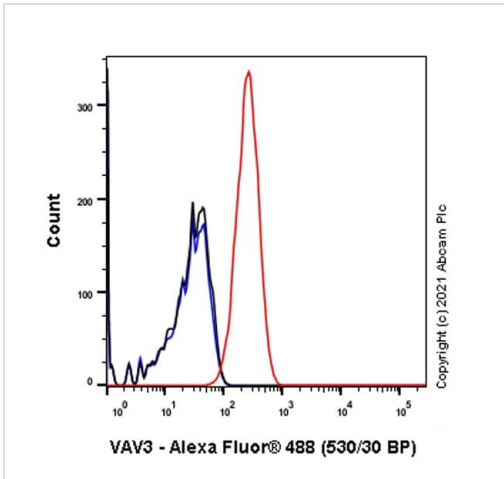
Lane 2 (+): ab52938 + Jurkat whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab52938 in Jurkat whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (ab131366) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFD/MTBST.




Diluting buffer and concentration: 5% NFD/MTBST.



Intracellular Flow Cytometry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labelling VAV3 with purified ab52938 at 1/40 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).

Flow Cytometry (Intracellular) - Anti-VAV3 antibody [EP1130Y] (ab52938)

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>

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