

Anti-VAV1 (phospho Y174) antibody [EP510Y] ab76225

リコンビナント RabMAb

★★★★★ **1 Abreviews** **17 References** 画像数 5

製品の概要

| | |
|--------------|---|
| 製品名 | Anti-VAV1 (phospho Y174) antibody [EP510Y] |
| 製品の詳細 | Rabbit monoclonal [EP510Y] to VAV1 (phospho Y174) |
| 由来種 | Rabbit |
| アプリケーション | 適用あり: Flow Cyt (Intra), WB, ICC/IF, Dot blot 適用なし: IHC-P or IP |
| 種交差性 | 交差種: Human |
| 免疫原 | Synthetic peptide within Human VAV1 (phospho Y174). The exact sequence is proprietary. |
| ポジティブ・コントロール | WB: Jurkat cell lysate treated with pervanadate. ICC/IF: Jurkat cell lysate treated with pervanadate. Flow Cyt (intra): WB: Jurkat cell lysate treated with pervanadate. |
| 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>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> |

製品の特性

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| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| バッファー | pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant |
| 精製度 | Protein A purified |

| | |
|--------|---------|
| ポリ/モノ | モノクローナル |
| クローン名 | EP510Y |
| 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ab76225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。

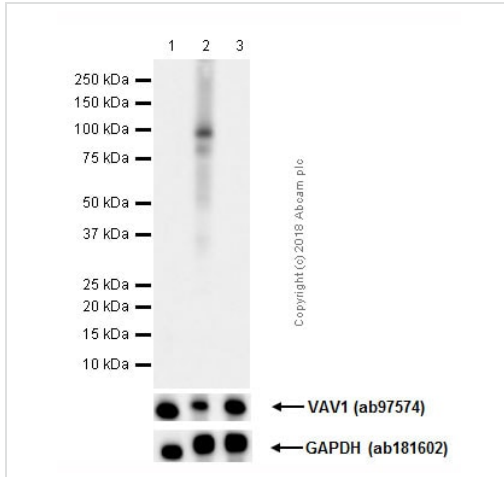
| アプリケーション | Abreviews | 特記事項 |
|------------------|-----------|--|
| Flow Cyt (Intra) | | Use at an assay dependent concentration. |
| WB | ★★★★★ (1) | 1/1000. Detects a band of approximately 101 kDa (predicted molecular weight: 101 kDa). |
| ICC/IF | | 1/100 - 1/500. |
| Dot blot | | Use at an assay dependent concentration. |

追加情報 Is unsuitable for IHC-P or IP.

ターゲット情報

| | |
|--------------|---|
| 機能 | Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation. |
| 組織特異性 | Widely expressed in hematopoietic cells but not in other cell types. |
| 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. |
| ドメイン | The DH domain is involved in interaction with CCPG1. |
| 翻訳後修飾 | Phosphorylated on tyrosine residues. |

画像



Western blot - Anti-VAV1 (phospho Y174) antibody [EP510Y] (ab76225)

All lanes : Anti-VAV1 (phospho Y174) antibody [EP510Y] (ab76225) at 1/1000 dilution

Lane 1 : Jurkat (human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : Jurkat treated with 50mM pervanadate for 5minutes whole cell lysate

Lane 3 : Jurkat treated with 50mM pervanadate for 5min whole cell lysate 10 µg. Then the membrane was incubated with alkaline phosphatase

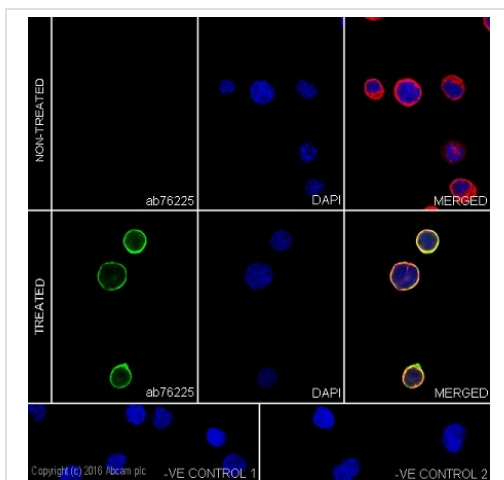
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 101 kDa

Blocking and diluting buffer: 5% NFDm/TBST

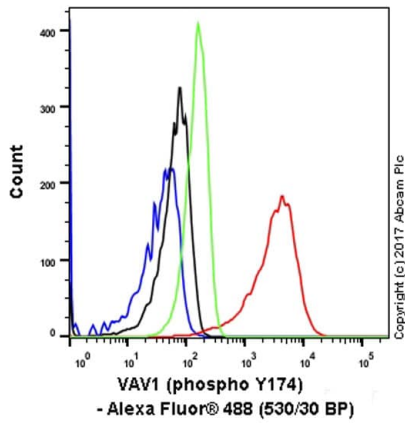


Immunocytochemistry/ Immunofluorescence - Anti-VAV1 (phospho Y174) antibody [EP510Y] (ab76225)

Immunocytochemistry/Immunofluorescence analysis of Untreated Jurkat cells and Pervanadate (1mM,30min) treated Jurkat cells labelling VAV1 (phospho Y174) with purified ab76225 at 1/500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100, and counterstained with **ab7291** anti-Tubulin (mouse mAb) 1:1000 (1ug/ml). An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody (Ab150077). Nuclei counterstained with DAPI (blue).

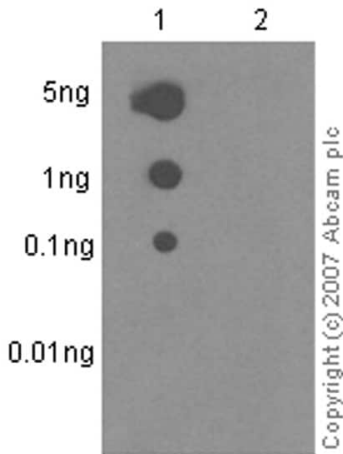
Negative Control 1: Rabbit primary antibody and anti-mouse secondary antibody(**ab150120**)

Negative Control 2: Mouse primary antibody(**ab7291**) and anti-rabbit secondary antibody(**ab150077**)



Flow Cytometry (Intracellular) - Anti-VAV1 (phospho Y174) antibody [EP510Y] (ab76225)

Intracellular Flow Cytometry analysis of Jurkat (human acute T cell leukemia) untreated/treated with 1mM pervanadate for 30min cells labeling VAV1 with unpurified ab76225 at 1/200 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control. Untreated control (Green).



Dot Blot - Anti-VAV1 (phospho Y174) antibody [EP510Y] (ab76225)

Dot blot analysis of VAV1 (pY174) peptide (Lane 1) and VAV1 non-phospho peptide (Lane 2) labelling VAV1 (phospho Y174) with ab76225 at a dilution of 1/1000. A Peroxidase-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody at a dilution of 1/2500.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-VAV1 (phospho Y174) antibody [EP510Y] (ab76225)

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

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