

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

重组 RabMAb

★★★★★ **1 Abreviews** **17 References** **5 图像**

概述

产品名称	Anti-VAV1 (phospho Y174)抗体[EP510Y]
描述	兔单克隆抗体[EP510Y] to VAV1 (phospho Y174)
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, ICC/IF, Dot blot 不适用于: IHC-P or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human VAV1 (phospho Y174). The exact sequence is proprietary.
阳性对照	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.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified

克隆	单克隆
克隆编号	EP510Y
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab76225于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

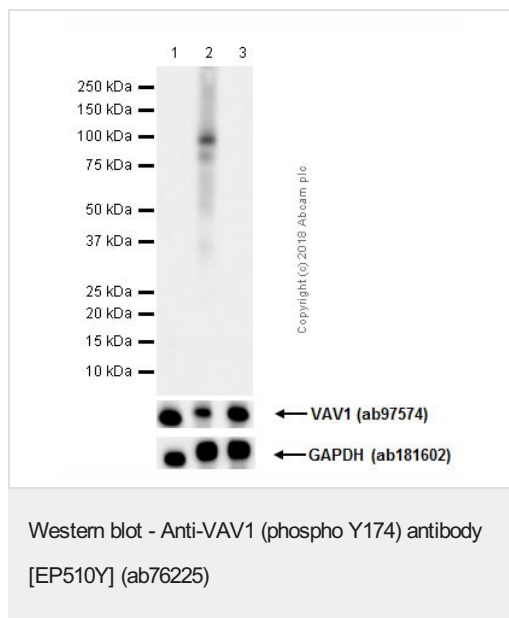
应用说明

Is unsuitable for IHC-P or IP.

靶标

功能	Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation.
组织特异性	Widely expressed in hematopoietic cells but not in other cell types.
序列相似性	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.
结构域	The DH domain is involved in interaction with CCPG1.
翻译后修饰	Phosphorylated on tyrosine residues.

图片



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

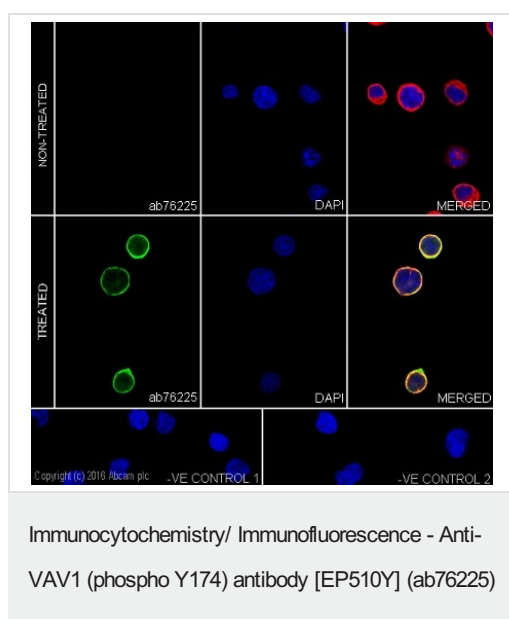
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 101 kDa

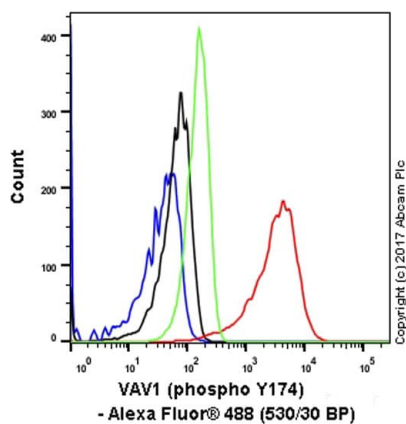
Blocking and diluting buffer: 5% NFDM/TBST



Immunocytochemistry/Immunofluorescence 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).

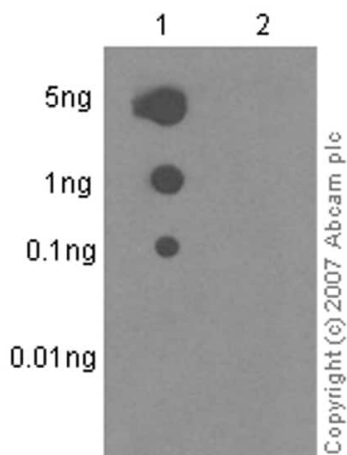
Negative Control 1: Rabbit primary antibody and anti-mouse secondary antibody(**ab150120**)

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)

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