

Product datasheet

Anti-Vav proteins antibody [EP482Y] ab40875

Recombinant RabMAb

★★★★★ [6 Abreviews](#) [6 References](#) [3 Images](#)

Overview

Product name	Anti-Vav proteins antibody [EP482Y]
Description	Rabbit monoclonal [EP482Y] to Vav proteins
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Vav proteins aa 750-850 (C terminal). The exact sequence is proprietary.
Positive control	Jurkat cells lysate
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 50% Glycerol (glycerin, glycerine), 0.05% BSA, 49% PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP482Y

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab40875 in the following tested applications.

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

Application	Abreviews	Notes
Flow Cyt (Intra)		1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (2)	1/2000. Predicted molecular weight: 98 kDa. Also 101 or 87 kDa, depending on the isoform.

Target

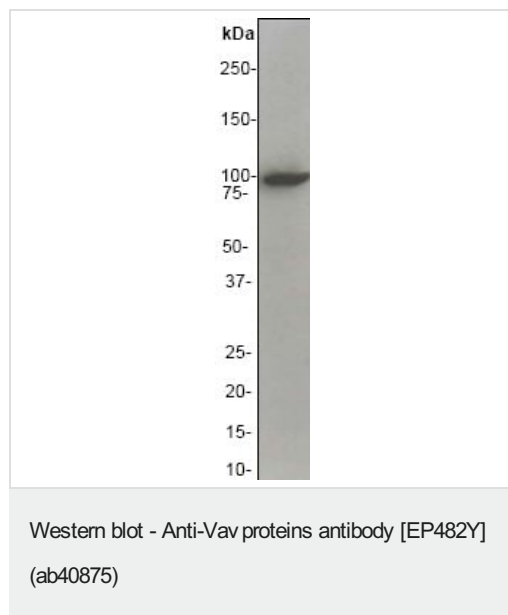
Relevance

The Vav family are Rho/Rac guanosine nucleotide exchange factors (GEFs), consisting of three members in mammalian cells (Vav, Vav2, Vav3) and one in nematodes (CelVav). First discovered based on its transforming properties, Vav is expressed mainly in hematopoietic cells and a few non-hematopoietic tissues, such as the pancreas and tooth enamels. As a signalling transducer, Vav is involved in T-cell activated transduction of T-cell antigen receptor (TCR). T-cell stimulated and tyrosine phosphorylated Vav acts as a catalyst in the exchange of guanosine nucleotides on Rac-1, a GTP binding protein. Using a mouse model, Vav expression has been determined to play an essential role in the cytoskeletal, proliferative, and apoptotic pathways for developing lymphoid cells and its signal response.

Cellular localization

Cytoplasmic and Plasma membrane VAV1, Cytoplasm - VAV2 & VAV3

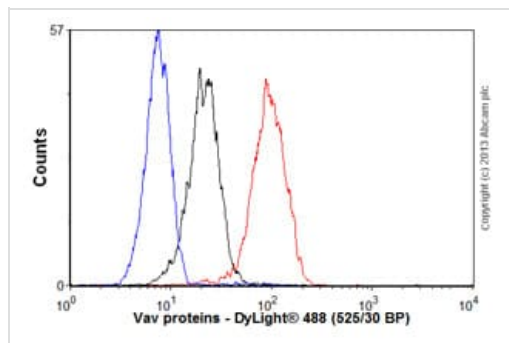
Images



Anti-Vav proteins antibody [EP482Y] (ab40875) at 1/2000 dilution + Jurkat cell lysate at 10 µg

Predicted band size: 98 kDa

Observed band size: 98 kDa



Flow Cytometry (Intracellular) - Anti-Vav proteins antibody [EP482Y] (ab40875)

Overlay histogram showing Jurkat cells stained with ab40875 (red line). The cells were fixed with 4% paraformaldehyde (10 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 (ab40875, 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) (1 µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line). Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

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-Vav proteins antibody [EP482Y] (ab40875)

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

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