

Anti-Vav proteins antibody [EP482Y] - BSA and Azide free ab247298

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Vav proteins antibody [EP482Y] - BSA and Azide free
Description	Rabbit monoclonal [EP482Y] to Vav proteins - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab247298 is the carrier-free version of ab40875.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP482Y
Isotype	IgG

Applications

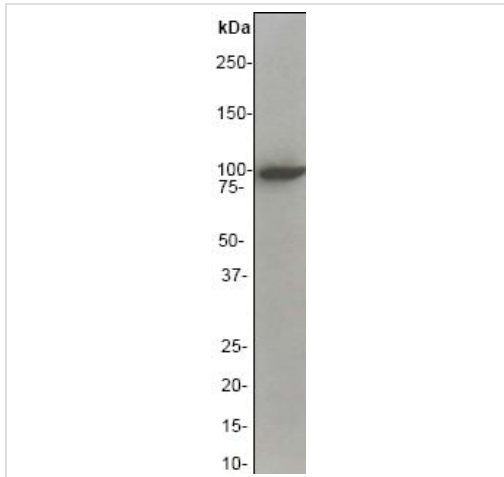
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab247298 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 98 kDa. Also 101 or 87 kDa, depending on the isoform.
Flow Cyt (Intra)		Use at an assay dependent concentration.

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 (CeIVav). 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



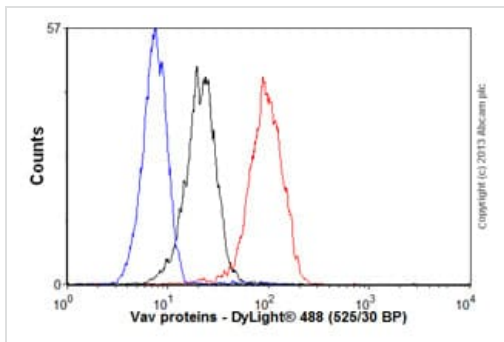
Western blot - Anti-Vav proteins antibody [EP482Y]
- BSA and Azide free (ab247298)

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

This data was developed using [ab40875](#), the same antibody clone in a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-Vav proteins
antibody [EP482Y] - BSA and Azide free (ab247298)

This data was developed using [ab40875](#), the same antibody clone in a different buffer formulation. 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) (1µg/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] - BSA and Azide free (ab247298)

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

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