

Product datasheet

Anti-Vav proteins (phospho Y174) antibody ab47282

★★★★☆ [3 Abreviews](#) [12 References](#) [1 Image](#)

Overview

Product name	Anti-Vav proteins (phospho Y174) antibody
Description	Rabbit polyclonal to Vav proteins (phospho Y174)
Host species	Rabbit
Specificity	This antibody is specific for Vav protein, only when phosphorylated at tyrosine 174.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human Vav proteins aa 100-200 (phospho Y174). Database link: P15498
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
Purity	Immunogen affinity purified
Purification notes	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab47282 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	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 118 kDa.

Target

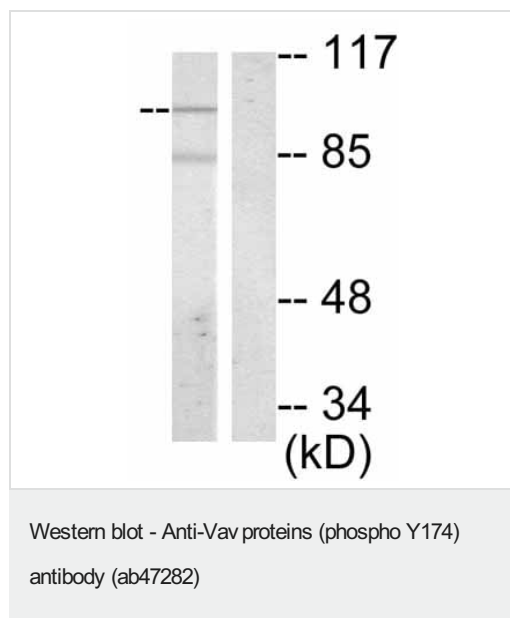
Relevance

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 (CeVav). 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



All lanes : Anti-Vav proteins (phospho Y174) antibody (ab47282) at 1/500 dilution

Lane 1 : Extrats from Jurkat cells treated with UV

Lane 2 : Extrats from Jurkat cells untreated

Lysates/proteins at 30 µg per lane.

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

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