

## Product datasheet

# Anti-Vav proteins antibody ab92890

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### Overview

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<b>Product name</b>	Anti-Vav proteins antibody
<b>Description</b>	Rabbit polyclonal to Vav proteins
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide, corresponding to amino acids 172-176 of Human Vav proteins
<b>Positive control</b>	Jurkat or THP1 cell lysate.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab92890 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		1/1000. Predicted molecular weight: 98 kDa. Predicted molecular weight: 98 kDa (VAV1 & VAV3). 101 kDa (VAV2).
IP		Use at an assay dependent concentration. 2 µg.

## Target

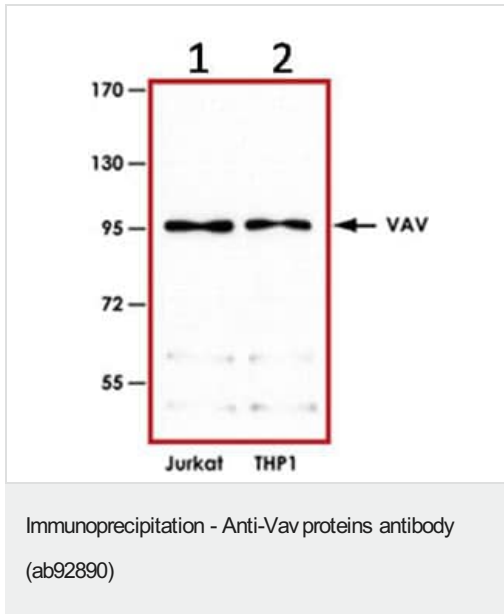
### Relevance

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



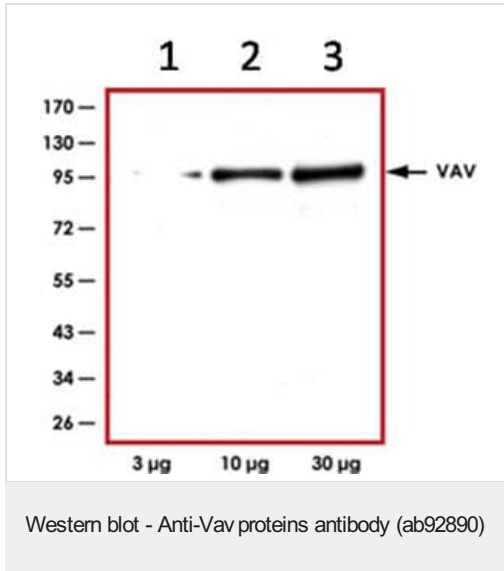
Immunoprecipitation of VAV proteins from 500µg of Jurkat (Lane 1) and THP1 (Lane 2) cell lysates, using 2µg of ab92890.

**All lanes** : Anti-Vav proteins antibody (ab92890) at 2 µg

**Lane 1** : Jurkat cell lysate

**Lane 2** : THP1 cell lysate

Lysates/proteins at 500 µg per lane.



**All lanes :** Anti-Vav proteins antibody (ab92890) at 1/1000 dilution

**Lane 1 :** Jurkat cell lysate at 3 µg

**Lane 2 :** Jurkat cell lysate at 10 µg

**Lane 3 :** Jurkat cell lysate at 30 µg

**Predicted band size:** 98 kDa

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

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