

## VAV1

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**Reactivity:**Human

**Tested applications:**WB ICC IP

**Recommended Dilution:**WB 1:500 - 1:2000 ICC 1:20 - 1:50 IP 1:20 - 1:50

**Calculated MW:**95kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human VAV1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

VAV;

**Catalog #:**A0771

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**7409

**Isotype:**IgG

**Swiss Prot:**P15498

**Purity:**Affinity purification

For research use only.

**Background:**

This gene is a member of the VAV gene family. The VAV proteins are guanine nucleotide exchange factors (GEFs) for Rho family GTPases that activate pathways leading to actin cytoskeletal rearrangements and transcriptional alterations. The encoded protein is important in hematopoiesis, playing a role in T-cell and B-cell development and activation. The encoded protein has been identified as the specific binding partner of Nef proteins from HIV-1. Coexpression and binding of these partners initiates profound morphological changes, cytoskeletal rearrangements and the JNK/SAPK signaling cascade, leading to increased levels of viral transcription and replication. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

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