

## Product datasheet for **TA308739**

### VAV1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human (Predicted: Mouse, Rat, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 83 and 568 of VAV1 (Uniprot ID#P15498)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	98 kDa
Gene Name:	vav guanine nucleotide exchange factor 1
Database Link:	<a href="#">NP_005419</a> <a href="#">Entrez Gene 22324 Mouse</a> <a href="#">Entrez Gene 25156 Rat</a> <a href="#">Entrez Gene 7409 Human</a> <a href="#">P15498</a>
Background:	The protein encoded by this proto-oncogene is a member of the Dbl family of guanine nucleotide exchange factors (GEF) for the Rho family of GTP binding proteins. The protein is important in hematopoiesis, playing a role in T-cell and B-cell development and activation. This particular GEF 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. [provided by RefSeq]
Synonyms:	VAV



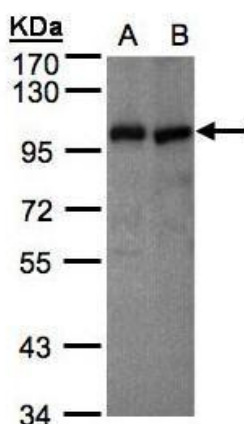
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**Note:** Seq homology of immunogen across species: Mouse (92%), Rat (92%), Bovine (96%)

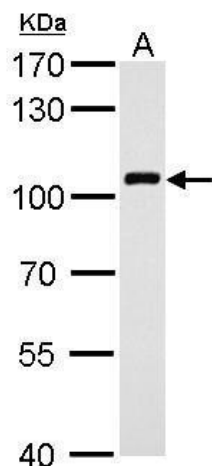
**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** B cell receptor signaling pathway, Chemokine signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Leukocyte transendothelial migration, Natural killer cell mediated cytotoxicity, Regulation of actin cytoskeleton, T cell receptor signaling pathway

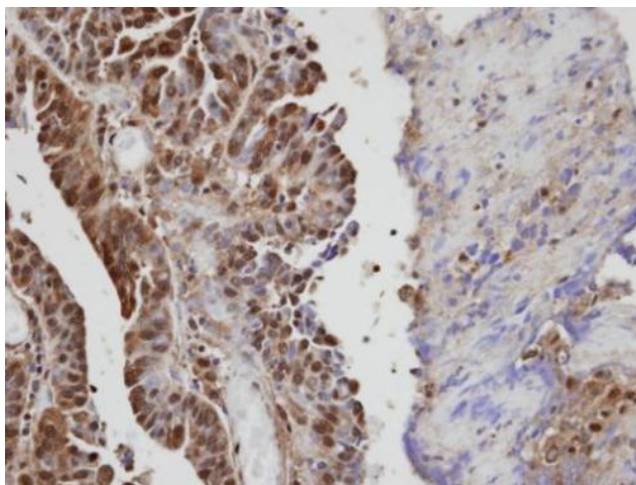
**Product images:**



Sample (30 ug of whole cell lysate). A:MOLT4. B:Raji. 7.5% SDS PAGE. TA308739 diluted at 1:500



VAV1 antibody detects VAV1 protein by Western blot analysis. A. 30 ug BCL-1 whole cell lysate/extract. 7.5 % SDS-PAGE. VAV1 antibody (TA308739) dilution: 1:1000



Immunohistochemical analysis of paraffin-embedded serous OVCA, using VAV1 (TA308739) antibody at 1:100 dilution.