

VAV1 (Phospho Tyr174) Rabbit pAb

CatalogNo: YP0274

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 98kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:10000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human VAV1 around the phosphorylation site of Tyr174. AA range:141-190

Specificity Phospho-Vav1 (Y174) Polyclonal Antibody detects endogenous levels of Vav1 protein only when phosphorylated at Y174. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):ElyED

Target Information

Gene name VAV1

Protein Name Proto-oncogene vav

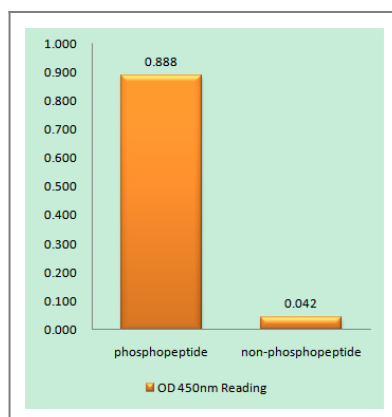
Organism	Gene ID	UniProt ID
Human	7409;	P15498;
Mouse	22324;	P27870;
Rat		P54100;

Cellular Localization intracellular ,cytosol ,plasma membrane ,cell-cell junction ,

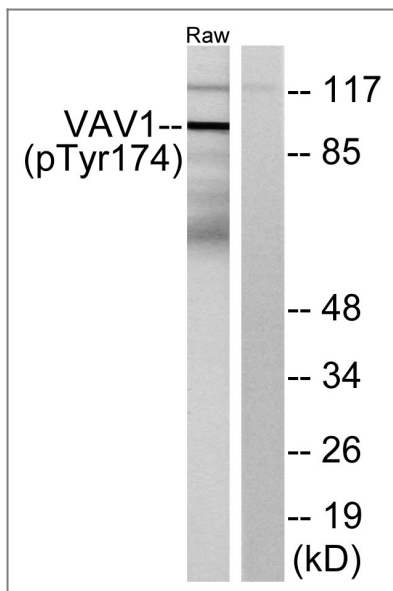
Tissue specificity Widely expressed in hematopoietic cells but not in other cell types.

Function Domain:The DH domain is involved in interaction with CCPG1. ,Function:Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases , thus leading to cell differentiation and/or proliferation. ,miscellaneous:'Vav' stands for the sixth letter of the Hebrew alphabet. ,PTM:Phosphorylated on tyrosine residues. ,similarity:Contains 1 CH (calponin-homology) domain. ,similarity:Contains 1 DH (DBL-homology) domain. ,similarity:Contains 1 PH domain. ,similarity:Contains 1 phorbol-ester/DAG-type zinc finger. ,similarity:Contains 1 SH2 domain. ,similarity:Contains 2 SH3 domains. ,subunit:May interact with CCPG1 (By similarity) . Interacts with APS , DOCK2 , GRB2 , GRB3 , DOCK2 , SLA and ZNF655/VIK. Interacts with SIAH2; without leading to its degradation. Associates with BLNK , PLCG1 , GRB2 and NCK1 in a B-cell antigen receptor-dependent fashion. Interacts with CBLB; which inhibits tyrosine phosphorylation and down-regulates activity. Interacts with SHB and CLNK. ,tissue specificity:Widely expressed in hematopoietic cells but not in other cell types. ,

Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using VAV1 (Phospho-Tyr174) Antibody



Western blot analysis of lysates from RAW264.7 cells, using VAV1 (Phospho-Tyr174) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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VAV1 (Phospho Tyr174) Rabbit pAb

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