

Anti-Human/Mouse/Rat VAV1 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA06116

3th Edition

Description: 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. VAV1 (Vav Guanine Nucleotide Exchange Factor 1) is a Protein Coding gene. Diseases associated with VAV1 include Spherocytosis, Type 1 and Common Variable Immunodeficiency. Among its related pathways are ICos-ICosL Pathway in T-Helper Cell and Type I Interferon Signaling Pathways. GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and Rho guanyl-nucleotide exchange factor activity. An important paralog of this gene is VAV3.

Antigen: Synthesized peptide derived from human Vav1 around the non-phosphorylation site of Tyr174.

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Widely expressed in hematopoietic cells but not in other cell types.