

**Anti-Human/Mouse Phospho-VAV3 (Tyr173) Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA01846**

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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. This gene product acts as a GEF preferentially for RhoG, RhoA, and to a lesser extent, RAC1, and it associates maximally with the nucleotide-free states of these GTPases. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. VAV3 (Vav Guanine Nucleotide Exchange Factor 3) is a Protein Coding gene. Diseases associated with VAV3 include Glaucoma, Normal Tension. Among its related pathways are p75 NTR receptor-mediated signalling and Mesodermal Commitment Pathway. GO annotations related to this gene include GTPase activator activity and Rho guanyl-nucleotide exchange factor activity. An important paralog of this gene is VAV1.

**Antigen:** Synthesized peptide derived from human Vav3 around the phosphorylation site of Tyr173

**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:** Isoform 1 and isoform 3 are widely expressed; both are expressed at very low levels in skeletal muscle. In keratinocytes, isoform 1 is less abundant than isoform 3. Isoform 3 is detected at very low levels, if any, in adrenal gland, bone marrow, spleen, fetal brain and spinal chord; in these tissues, isoform 1 is readily detectable.