

Phospho-VAV1-Y174 Rabbit pAb

Catalog No.: AP0180

Basic Information

Observed MW

98kDa

Calculated MW

98kDa

Category

Primary antibody

Applications

WB

Cross-Reactivity

Human, Rat

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

7409

Swiss Prot

P15498

Immunogen

A phospho specific peptide corresponding to residues surrounding Y174 of human VAV1

Synonyms

VAV; Phospho-VAV1-Y174

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

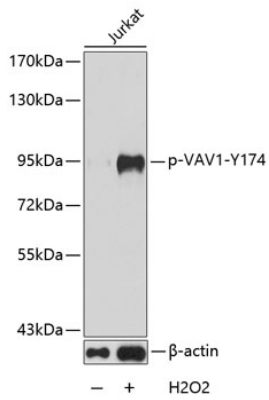
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from Jurkat cells, using Phospho-VAV1-Y174 Rabbit pAb (AP0180).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.