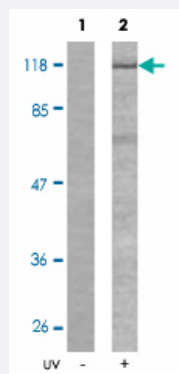


VAV1 (phospho Y174) polyclonal antibody

Catalog # PAB25422 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of the extracts from Jurkat cells using VAV1 (phospho Y174) polyclonal antibody (Cat # PAB25422).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of VAV1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y174 of human VAV1.
Sequence	E-I-Yp-E-D
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of the extracts from Jurkat cells using VAV1 (phospho Y174) polyclonal antibody (Cat # PAB25422).

Gene Info — VAV1

Entrez GeneID [7409](#)

Protein Accession# [P15498](#)

Gene Name VAV1

Gene Alias VAV

Gene Description vav 1 guanine nucleotide exchange factor

Omim ID [164875](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations oncogene vav|vav 1 oncogene|vav proto-oncogene

Pathway

- [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](#)