



# Vav1 (phospho Tyr174) rabbit pAb

Cat No.:ES7486

For research use only

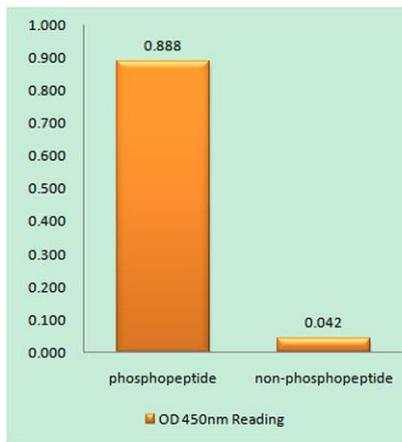
## Overview

<b>Product Name</b>	Vav1 (phospho Tyr174) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human VAV1 around the phosphorylation site of Tyr174. AA range:141-190
<b>Specificity</b>	Phospho-Vav1 (Y174) Polyclonal Antibody detects endogenous levels of Vav1 protein only when phosphorylated at Y174.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Proto-oncogene vav
<b>Gene Name</b>	VAV1
<b>Cellular localization</b>	intracellular,cytosol,plasma membrane,cell-cell junction,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	98kD
<b>Human Gene ID</b>	7409
<b>Human Swiss-Prot Number</b>	P15498
<b>Alternative Names</b>	VAV1; VAV; Proto-oncogene vav
<b>Background</b>	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

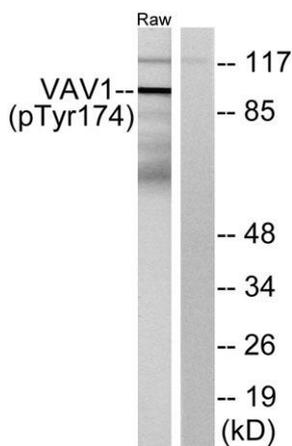




encoded protein is important in hematopoiesis, playing a role in T-cell and B-cell development and activation. The encoded protein has been identified as the specific binding partner of Nef proteins from HIV-1. Coexpression and binding of these partners initiates profound morphological changes, cytoskeletal 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. [provided by RefSeq, Apr 2012],



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.

