

Vav1(Phospho Tyr174) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15433
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human VAV1 around the phosphorylation site of Tyr174. AA range:141-190
Mol wt	98314
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Proto-oncogene vav
Synonyms	Proto-oncogene vav; VAV1; VAV; Proto-oncogene vav

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

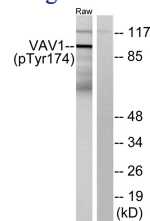
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

Images



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.

Storage

-20°C for 1 year