

VAV1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13853c

Specification

VAV1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P15498
Other Accession	NP_005419.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	98314
Antigen Region	437-466

VAV1 Antibody (Center) - Additional Information

Gene ID 7409

Other Names

Proto-oncogene vav, VAV1, VAV

Target/Specificity

This VAV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 437-466 amino acids from the Central region of human VAV1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

VAV1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

VAV1 Antibody (Center) - Protein Information

Name VAV1

Synonyms VAV

Function Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation.

Tissue Location

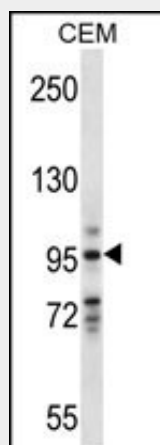
Widely expressed in hematopoietic cells but not in other cell types

VAV1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VAV1 Antibody (Center) - Images



VAV1 Antibody (Center) (Cat. #AP13853c) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the VAV1 antibody detected the VAV1 protein (arrow).

VAV1 Antibody (Center) - Background

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.

VAV1 Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Hollmann, A., et al. Hematol Oncol 28(3):142-150(2010)

Barda-Saad, M., et al. EMBO J. 29(14):2315-2328(2010)
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Kim, H.S., et al. Immunity 32(2):175-186(2010)