

Datasheet for ABIN969581

anti-VAV1 antibody (AA 121-324)

5 Images

2 Publications

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Overview

Quantity:	0.1 mg
Target:	VAV1
Binding Specificity:	AA 121-324
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VAV1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human VAV1 (AA: 121-324) expressed in E. coli.
Clone:	2-00E-11
Isotype:	IgG1
Purification:	purified

Target Details

Target:	VAV1
Alternative Name:	VAV1 (VAV1 Products)
Background:	Description: 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

Target Details

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.

Aliases: VAV

Molecular Weight: 98.3 kDa

Gene ID: 7409

HGNC: 7409

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [CXCR4-mediated Signaling Events](#), [BCR Signaling](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:250, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

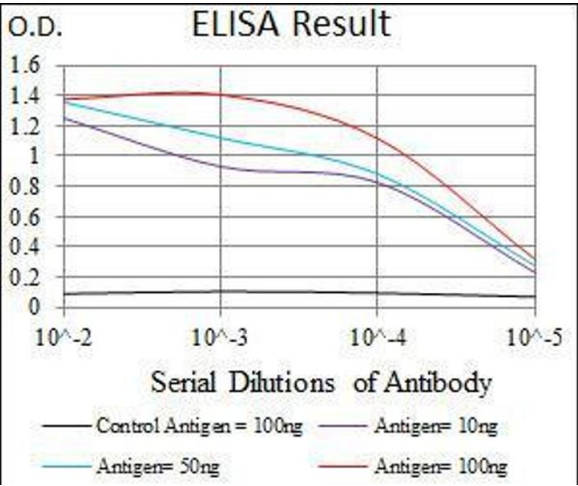
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

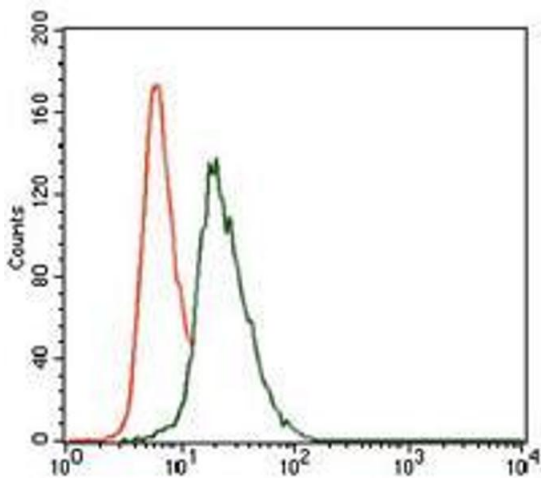
Publications

Product cited in: Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: **Journal of proteome research**, Vol. 12, Issue 12, pp. 5750-9, (2013) ([PubMed](#)).



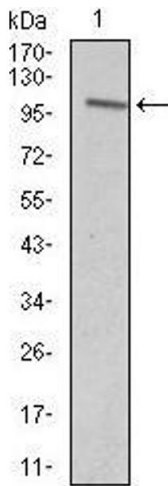
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Flow Cytometry

Image 2. Flow cytometric analysis of HeLa cells using VAV1 mouse mAb (green) and negative control (red).



Western Blotting

Image 3. Western blot analysis using VAV1 mouse mAb against Jurkat (1) cell lysate.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN969581.