

VAV1 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1740a

Product Information

Application	WB, FC, E
Primary Accession	P15498
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2E11
Isotype	IgG1
Calculated MW	98314
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 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.
Immunogen	Purified recombinant fragment of human VAV1 (AA: 121-324) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	7409
Other Names	Proto-oncogene vav, VAV1, VAV
Dilution	WB~~1/250 FC~~1/200 - 1/400 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	VAV1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VAV1
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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

References

1.Acta Pharmacol Sin. 2011 Jan;32(1):99-107.2.Cell Tissue Res. 2011 Jul;345(1):163-75.

Images

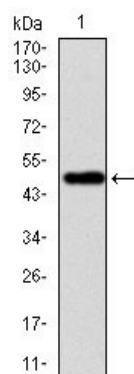


Figure 1: Western blot analysis using VAV1 mAb against human VAV1 recombinant protein. (Expected MW is 49.3 kDa)

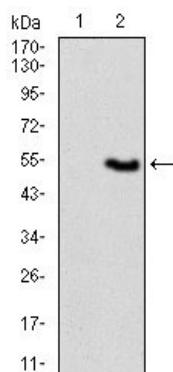


Figure 2: Western blot analysis using VAV1 mAb against HEK293 (1) and VAV1 (AA: 121-324)-hIgGFc transfected HEK293 (2) cell lysate.

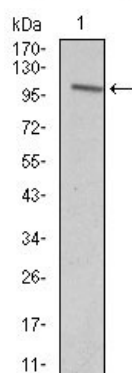
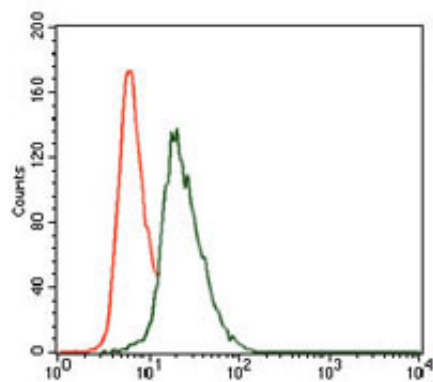


Figure 3: Western blot analysis using VAV1 mouse mAb against Jurkat (1) cell lysate.

Figure 4: Flow cytometric analysis of HeLa cells using VAV1 mouse mAb (green) and negative control (red).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.