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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

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

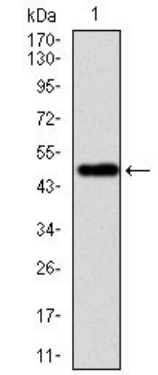


Figure 1: Western blot analysis using VAV1 mAb against human VAV1 recombinant protein. (Expected MW is 49.3 kDa)

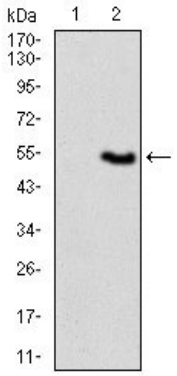


Figure 2: Western blot analysis using VAV1 mAb against HEK293 (1) and VAV1 (AA: 121-324)-hIgGFc transfected HEK293 (2) cell lysate.

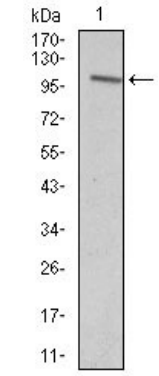
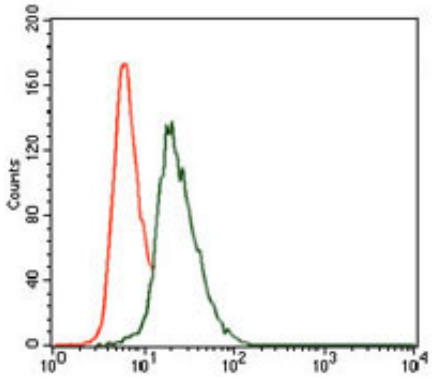


Figure 3: Western blot analysis using VAV1 mouse mAb against Jurkat (1) cell lysate.

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



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