

VAV2 Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22245a**Specification**

VAV2 Antibody (N-Term) - Product Information

Application	WB, FC,E
Primary Accession	P52735
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	101289

VAV2 Antibody (N-Term) - Additional Information**Gene ID** 7410**Other Names**

Guanine nucleotide exchange factor VAV2, VAV-2, VAV2

Target/Specificity

This VAV2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 123--157 amino acids from human VAV2.

Dilution

WB~~1:2000

FC~~1:25

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

VAV2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

VAV2 Antibody (N-Term) - Protein Information**Name** VAV2

Function Guanine nucleotide exchange factor for the Rho family of Ras- related GTPases. Plays an important role in angiogenesis. Its recruitment by phosphorylated EPHA2 is critical for

EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly (By similarity).

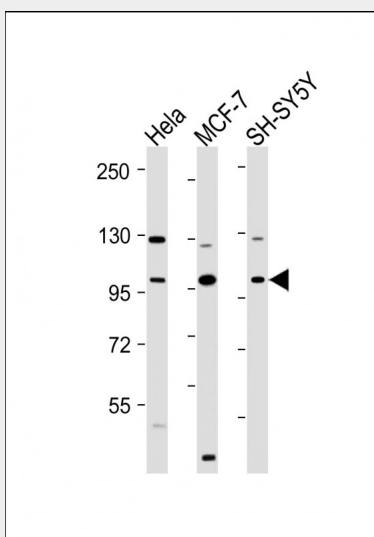
Tissue Location

Widely expressed.

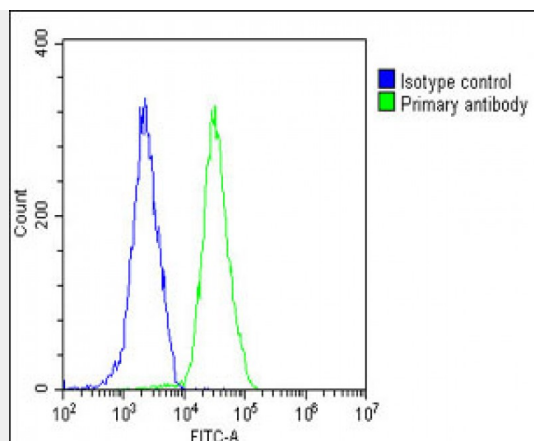
VAV2 Antibody (N-Term) - Protocols

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](#)

VAV2 Antibody (N-Term) - Images

All lanes : Anti-VAV2 Antibody (N-Term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 101 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing Hela cells stained with AP22245a(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22245a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

VAV2 Antibody (N-Term) - Background

Guanine nucleotide exchange factor for the Rho family of Ras-related GTPases. Plays an important role in angiogenesis. Its recruitment by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly (By similarity).

VAV2 Antibody (N-Term) - References

- Henske E.P.,et al.Ann. Hum. Genet. 59:25-37(1995).
- Humphray S.J.,et al.Nature 429:369-374(2004).
- Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
- Bechtel S.,et al.BMC Genomics 8:399-399(2007).
- Mancini U.M.,et al.Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.