

VAV3 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21626b

Specification

VAV3 Antibody (C-term) - Product Information

| | |
|-------------------|------------------------|
| Application | WB,E |
| Primary Accession | Q9UKW4 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | polyclonal |
| Isotype | Rabbit Ig |
| Calculated MW | 97776 |

VAV3 Antibody (C-term) - Additional Information

Gene ID 10451

Other Names

Guanine nucleotide exchange factor VAV3,
VAV-3, VAV3

Target/Specificity

This VAV3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 768-802 amino acids from the C-terminal region of human VAV3.

Dilution

WB~~1:2000

Format

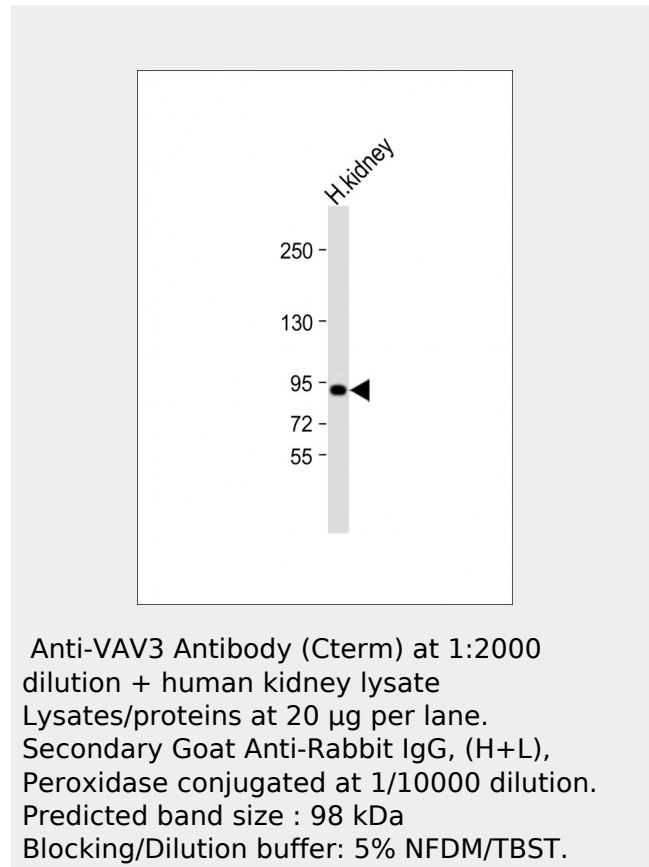
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

VAV3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.



VAV3 Antibody (C-term) - Background

Exchange factor for GTP-binding proteins RhoA, RhoG and, to a lesser extent, Rac1. Binds physically to the nucleotide-free states of those 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). May be important for integrin-mediated signaling, at least in some cell types. In osteoclasts, along with SYK tyrosine kinase, required for signaling through integrin alpha-v/beta-1 (ITAGV-ITGB1), a crucial event for osteoclast proper cytoskeleton organization and function. This signaling pathway involves RAC1, but not RHO, activation. Necessary for proper wound healing. In the course of wound healing,

VAV3 Antibody (C-term) - Protein Information**Name** VAV3**Function**

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Tissue Location

Isoform 1 and isoform 3 are widely expressed; both are expressed at very low levels in skeletal muscle. In keratinocytes, isoform 1 is less abundant than isoform 3. Isoform 3 is detected at very low levels, if any, in adrenal gland, bone marrow, spleen, fetal brain and spinal chord; in these tissues, isoform 1 is readily detectable.

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VAV3 Antibody (C-term) - References

Trenkle T.,et al.Nucleic Acids Res. 26:3883-3891(1998).
Movilla N.,et al.Mol. Cell. Biol. 19:7870-7885(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

VAV3 Antibody (C-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](#)