

VAV3 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21626b**Specification**

VAV3 Blocking Peptide (C-term) - Product InformationPrimary Accession [Q9UKW4](#)**VAV3 Blocking Peptide (C-term) - Additional Information****Gene ID** 10451**Other Names**

Guanine nucleotide exchange factor VAV3, VAV-3, VAV3

Target/Specificity

The synthetic peptide sequence is selected from aa 768-782 of HUMAN VAV3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VAV3 Blocking Peptide (C-term) - Protein Information**Name** VAV3**Function**

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, required for the phagocytotic cup formation preceding macrophage phagocytosis of apoptotic neutrophils. Responsible for integrin beta-2 (ITGB2)-mediated macrophage adhesion and, to a lesser extent, contributes to beta-3 (ITGB3)-mediated adhesion. Does not affect integrin beta-1 (ITGB1)-mediated adhesion (By similarity).

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.

VAV3 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

VAV3 Blocking Peptide (C-term) - Images

VAV3 Blocking Peptide (C-term) - Background

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VAV3 Blocking Peptide (C-term) - References

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