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# VASH2 Antibody (C-term) Blocking peptide
**Synthetic peptide**
**Catalog # BP13956b**

## Specification

### VASH2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q86V25

### VASH2 Antibody (C-term) Blocking peptide - Additional Information

**Gene ID** 79805

**Other Names**
Vasohibin-2, Vasohibin-like protein, VASH2, VASHL

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody AP13956b was selected from the C-term region of VASH2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

### VASH2 Antibody (C-term) Blocking peptide - Protein Information

**Name** VASH2 (HGNC:25723)

**Synonyms** VASHL

**Function**
Tyrosine carboxypeptidase that removes the C-terminal tyrosine residue of alpha-tubulin, thereby regulating microtubule dynamics and function (PubMed:<a href="http://www.uniprot.org/citations/29146869" target="_blank">29146869</a>). Critical for spindle function and accurate chromosome segregation during mitosis since microtubule detyronisation regulates mitotic spindle length and postioning (PubMed:<a href="http://www.uniprot.org/citations/31171830" target="_blank">31171830</a>). Acts as an activator of angiogenesis: expressed in infiltrating mononuclear cells in the sprouting front to promote angiogenesis (PubMed:<a href="http://www.uniprot.org/citations/19204325" target="_blank">19204325</a>). Plays a role in axon formation (PubMed:<a href="http://www.uniprot.org/citations/31235911" target="_blank">31235911</a>).

**Cellular Location**
Cytoplasm. Secreted. Cytoplasm, cytoskeleton. Note=Mainly localizes in the cytoplasm (PubMed:19204325). Some fraction is secreted via a non-canonical secretion system; interaction with SVBP promotes secretion (PubMed:20736312). Associates with microtubules (PubMed:31235911)

## VASH2 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

## VASH2 Antibody (C-term) Blocking peptide - Images

## VASH2 Antibody (C-term) Blocking peptide - Background

VASH2 is a angiogenesis inhibitor. It inhibits network formation by endothelial cells.

## VASH2 Antibody (C-term) Blocking peptide - References

Kimura, H., et al. Blood 113(19):4810-4818(2009)Shibuya, T., et al. Arterioscler. Thromb. Vasc. Biol. 26(5):1051-1057(2006)