10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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:29146869). Critical for spindle function and accurate chromosome segregation during mitosis since microtubule detyronisation regulates mitotic spindle length and postioning (PubMed:31171830). Acts as an activator of angiogenesis: expressed in infiltrating mononuclear cells in the sprouting front to promote angiogenesis (PubMed:19204325). Plays a role in axon formation (PubMed:31235911).

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)