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VASH2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13956b

Specification

VASH2 Antibody (C-term) - Product Information

Application	**FC, WB,E**
Primary Accession	Q86V25
Other Accession	Q8C5G2, NP_001129946.1, NP_079025.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**40450**
Antigen Region	**216-245**

VASH2 Antibody (C-term) - Additional Information

Gene ID 79805

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

Target/Specificity
This VASH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 216-245 amino acids from the C-terminal region of human VASH2.

Dilution
FC~~1:10~50
WB~~1:1000
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
VASH2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

VASH2 Antibody (C-term) - 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).

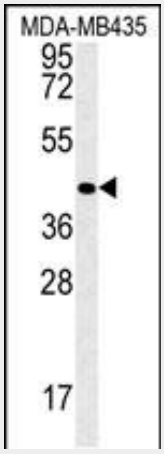
Cellular Location
Cytoplasm. Secreted. Cytoplasm, cytoskeleton. Note=Mainly localizes in the cytoplasm (PubMed:19204325). Some fraction is secreted via a non-canonical secretion system; interaction with SVBP promotes secretion (PubMed:20736312). Associates with microtubules (PubMed:31235911)

VASH2 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VASH2 Antibody (C-term) - Images



VASH2 Antibody (C-term) (Cat. #AP13956b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the VASH2 antibody detected the VASH2 protein (arrow).

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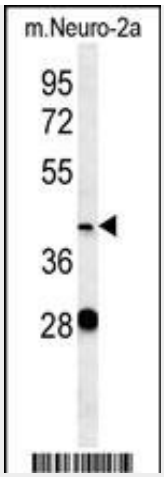
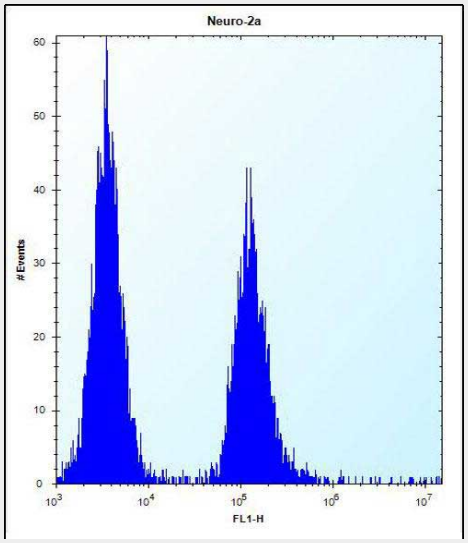


VASH2 Antibody (C-term) (Cat. #AP13956b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the VASH2 antibody detected the VASH2 protein (arrow).



VASH2 Antibody (C-term) (Cat. #AP13956b) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

VASH2 Antibody (C-term) - Background

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

VASH2 Antibody (C-term) - References

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