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

VASH2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13956b

Product Information

Application	WB, FC, E
Primary Accession	Q86V25
Other Accession	Q8C5G2, NP_001129946.1, NP_079025.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26261
Calculated MW	40450
Antigen Region	216-245

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	WB~~1:1000 FC~~1:10~50 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.

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 detyrosination 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)

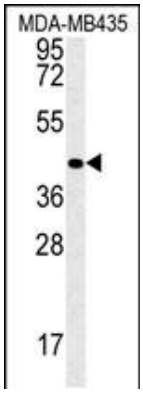
Background

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

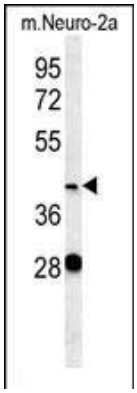
References

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

Images

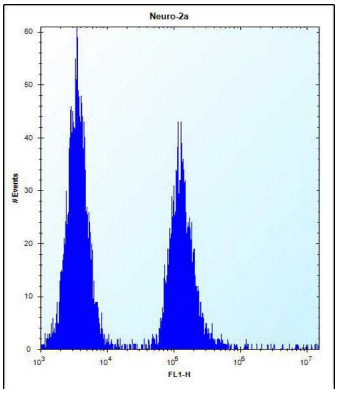


VASH2 Antibody (C-term) (Cat. #AP13956b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the VASH2 antibody detected the VASH2 protein (arrow).



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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.