

Anti-VASH1 Antibody
Rabbit polyclonal antibody to VASH1
Catalog # AP61401**Specification**

Anti-VASH1 Antibody - Product Information

Application	WB
Primary Accession	Q7L8A9
Other Accession	Q8C1W1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40957

Anti-VASH1 Antibody - Additional Information**Gene ID** 22846**Other Names**

KIAA1036; VASH; Vasohibin-1

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human VASH1. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-VASH1 Antibody - Protein Information**Name** VASH1 ([HGNC:19964](#))**Function**

Tyrosine carboxypeptidase that removes the C-terminal tyrosine residue of alpha-tubulin, thereby regulating microtubule dynamics and function (PubMed:29146869, PubMed:31171830, PubMed:31235910, PubMed:31235911, PubMed:31270470). Critical for spindle function and accurate chromosome segregation during mitosis since microtubule

detyronisation regulates mitotic spindle length and positioning (PubMed:31171830). Acts as an angiogenesis inhibitor: inhibits migration, proliferation and network formation by endothelial cells as well as angiogenesis (PubMed:15467828, PubMed:16488400, PubMed:16707096, PubMed:19204325). This inhibitory effect is selective to endothelial cells as it does not affect the migration of smooth muscle cells or fibroblasts (PubMed:15467828, PubMed:16488400, PubMed:16707096).

Cellular Location

Cytoplasm. Secreted. Note=Mainly localizes in the cytoplasm (PubMed:27879017). Some fraction is secreted via a non-canonical secretion system; interaction with SVBP promotes secretion (PubMed:27879017).

Tissue Location

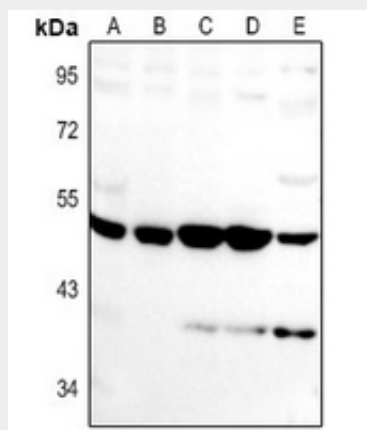
Preferentially expressed in endothelial cells (PubMed:15467828, PubMed:16707096). Highly expressed in fetal organs (PubMed:15467828). Expressed in brain and placenta, and at lower level in heart and kidney (PubMed:15467828). Highly detected in microvessels endothelial cells of atherosclerotic lesions (PubMed:16707096)

Anti-VASH1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-VASH1 Antibody - Images



Western blot analysis of VASH1 expression in BV2 (A), C6 (B), SGC7901 (C), LO2 (D), U87MG (E)

whole cell lysates.

Anti-VASH1 Antibody - Background

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