

Vasohibin Polyclonal Antibody
Catalog # AP73036**Specification**

Vasohibin Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q7L8A9
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Vasohibin Polyclonal Antibody - Additional Information**Gene ID** 22846**Other Names**

VASH1; KIAA1036; VASH; Vasohibin-1

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Vasohibin Polyclonal 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:31270470, PubMed:31235910, PubMed:31171830, PubMed:31235911). 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

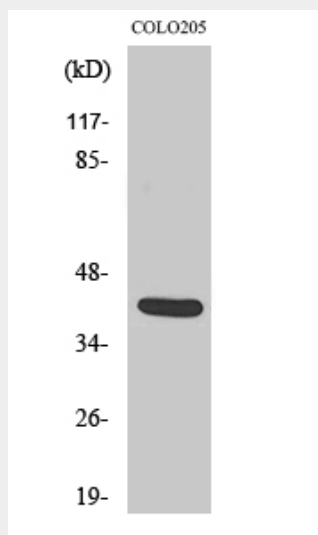
Preferentially expressed in endothelial cells (PubMed:15467828, PubMed:16707096). Highly expressed in fetal organs (PubMed:15467828). Expressed in brain and placenta, and at lower level in heart and kidney (PubMed:15467828). Highly detected in microvessels endothelial cells of atherosclerotic lesions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

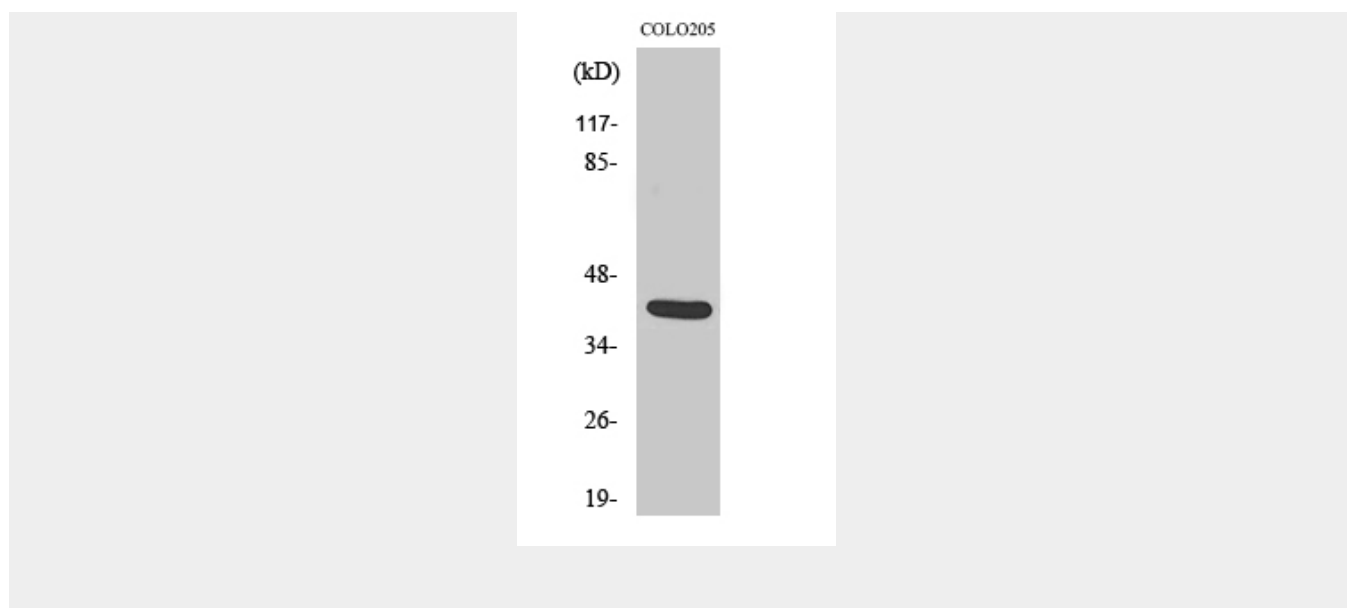
Vasohibin Polyclonal Antibody - Protocols

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](#)

Vasohibin Polyclonal Antibody - Images





Vasohibin Polyclonal Antibody - Background

Tyrosine carboxypeptidase that removes the C-terminal tyrosine residue of alpha-tubulin, thereby regulating microtubule dynamics and function (PubMed:29146869). 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).