



Vasohibin Polyclonal Antibody

Catalog No	YP-Ab-04264
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	VASH1
Immunogen	The antiserum was produced against synthesized peptide derived from human VASH1. AA range:261-310
Specificity	Vasohibin Polyclonal Antibody detects endogenous levels of Vasohibin protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Tyrosine carboxypeptidase 1;TubulinyI-Tyr carboxypeptidase 1;Tubulin carboxypeptidase 1;TTCP;Vasohibin;VASH1;Vasohibin-1;KIAA1036;VASH
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Cytoplasm . Secreted . 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 Specificity	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).
Function	caution:Although probably secreted, it lacks a canonical signal sequence., function:Angiogenesis inhibitor. Inhibits migration, proliferation and network formation by endothelial cells as well as angiogenesis. This inhibitory effect is selective to endothelial cells as it does not affect the migration of smooth muscle cells or fibroblasts. Does not affect the proliferation of cancer cells in vitro, but



inhibits tumor growth and tumor angiogenesis. Acts in an autocrine manner. Inhibits artery neointimal formation and macrophage infiltration. Exhibits heparin-binding activity., induction: By VEGF., PTM: 2 major forms (42 and 36 kDa) and 2 minors (32 and 27 kDa) may be processed by proteolytic cleavage. The largest form (42 kDa) seems to be secreted and the other major form (63 kDa) seems to accumulate within the cells or pericellular milieu. Polypeptide consisting of Met-77 to Arg-318 may corre

Background

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matters needing attention

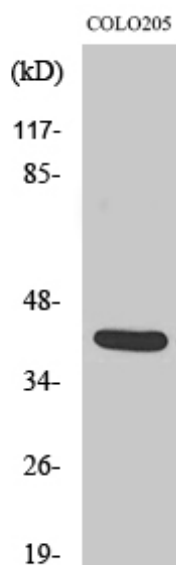
Avoid repeated freezing and thawing!

Usage suggestions

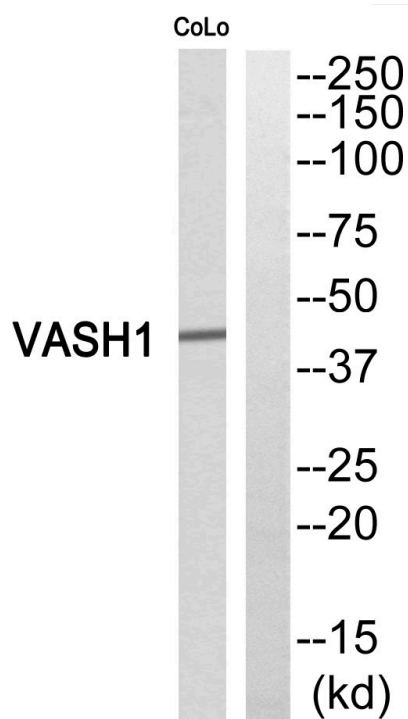
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



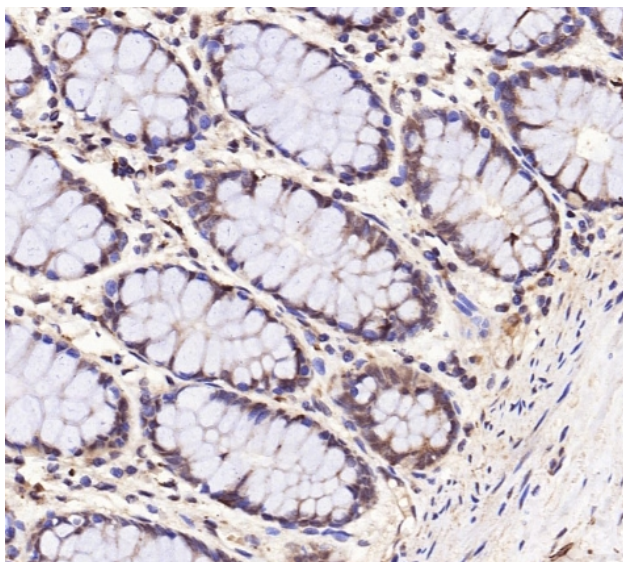
Products Images



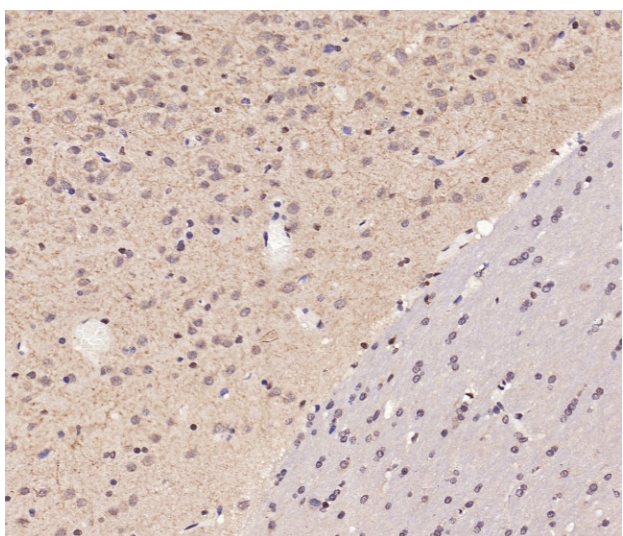
Western Blot analysis of various cells using Vasohibin Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of VASH1 Antibody. The lane on the right is blocked with the VASH1 peptide.



Immunohistochemical analysis of paraffin-embedded human colon. 1, primary Antibody was diluted at 1:200 (4° overnight). 2, EDTA pH 9.0 was used for antigen retrieval. 3 Reday to use Secondary antibody (catalog: RS0011) was used at 37°C, 30min



Immunohistochemical analysis of paraffin-embedded human brain. 1, primary Antibody was diluted at 1:200 (4° overnight). 2, EDTA pH 9.0 was used for antigen retrieval. 3 Reday to use Secondary antibody (catalog: RS0011) was used at 37°C, 30min