BOSTER BIOLOGICAL TECHNOLOGY
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Anti-VASH1 Antibody

Catalog Number: A04402-2

About VASH1

VASH1 was originally identified as an endothelium-derived vascular endothelial growth factor (VEGF)-inducible angiogenesis inhibitor that acts in a negative feedback manner. VASH1 mRNA is expressed brain, heart, kidney and placenta in the adult, with robust expression in various organs during embryonic development. VASH1 expression in tumor cells and tumor vasculature is silenced by methylation by increased expression of Zeste homolog 2 (EZH2). The increase of EZH2 expression is induced by VEGF stimulation, leading to poor clinical prognosis. Recombinant adenovirus expressing VASH prevented tumor angiogenesis and inhibited tumor growth, suggesting that it may be a potentially valuable antitumor therapy in the clinic.

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Overview

Product Name	Anti-VASH1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-VASH1 Antibody (Catalog # A04402-2). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	VASH1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	VASH1 antibody can be stored at 4°C, stable for one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q7L8A9

Technical Details

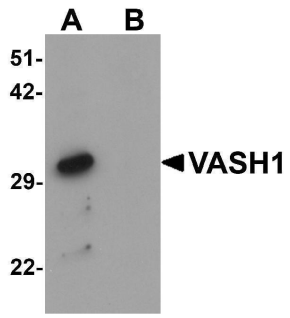
Immunogen	VASH1 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human VASH1. The immunogen is located within amino acids 290 - 340 of VASH1.
Predicted Reactive Species	Mouse, Rat

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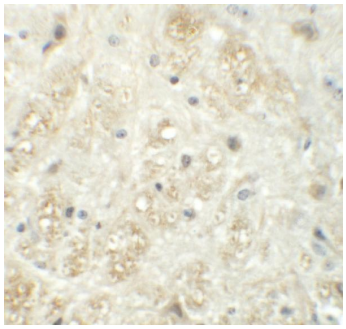
Cross Reactivity	VASH1 antibody is predicted to not cross-react with other vasohibin protein family members. At least two isoforms are known to exist; this antibody will recognize only the long isoform.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	VASH1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	VASH1 antibody can be used for detection of VASH1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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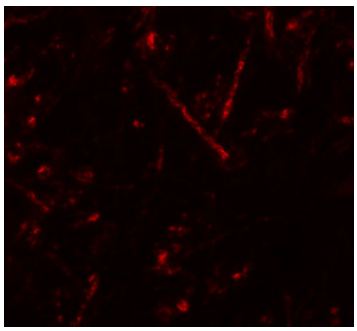
Anti-VASH1 Antibody (A04402-2) Images



Western blot analysis of VASH1 in human brain tissue lysate with VASH1 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of VASH1 in mouse brain tissue with VASH1 antibody at 5 ug/mL.



Immunofluorescence of VASH1 in mouse brain tissue with VASH1 antibody at 20 ug/mL.

For Research Use Only. Not for use in diagnostic procedures.