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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-FW1

VASH1 Antibody

Overview

Description:	Anti-VASH1 (RABBIT) Antibody - 600-401-FW1
Item No.:	600-401-FW1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	VASH1 Antibody, KIAA1036, KIAA1036, VASH, Vasohibin-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	VASH1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-VASH1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the C-terminus of human VASH1.

Purity/Specificity:	Anti-VASH1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.
Relevant Links:	• UniProtKB - Q7L8A9 • GeneID - 22846 • NCBI - NP_055724.1

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-VASH1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 41 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1 µg/mL

Formulation

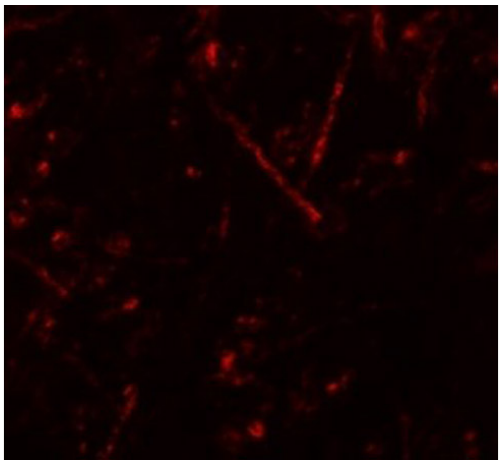
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

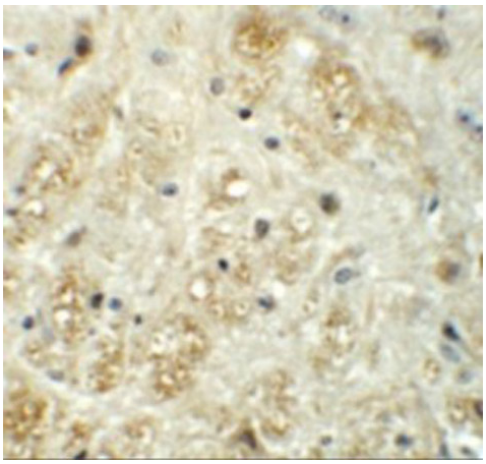
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

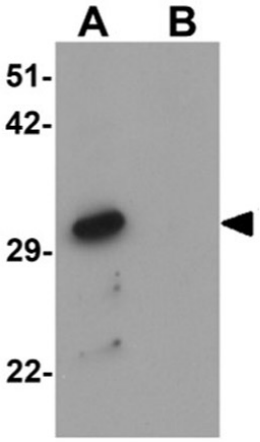
Images



Immunofluorescence Microscopy
Immunofluorescence of VASH1.
Tissue: mouse brain tissue.
Primary Antibody: VASH1 antibody at 20 µg/mL.



Immunohistochemistry
Immunohistochemistry of VASH1.
Tissue: mouse brain tissue.
Primary Antibody: VASH1 antibody at 5 µg/mL.



Western Blot
Western blot analysis of VASH1.
Load: human brain tissue lysate.
Primary Antibody: VASH1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

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