

Product datasheet

Anti-VASH1 antibody ab88435

2 Images

Overview

<b>Product name</b>	Anti-VASH1 antibody
<b>Description</b>	Mouse monoclonal to VASH1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment: GGKKVAGGGS SGATPTSAAA TAPSGVRRLE TSEG TSAQRD EEPEEEGEED LRDGGVPFFV NRGGLPVDEA TWERMWKHVA KIHPDGEKVA QRIRGATD, corresponding to amino acids 3-100 of Human VASH1 (NP_055724) with a proprietary tag. <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Tagged recombinant human VASH1 fragment (the immunogen). HepG2 cell lysate.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 1X PBS, pH 7.2
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab88435** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

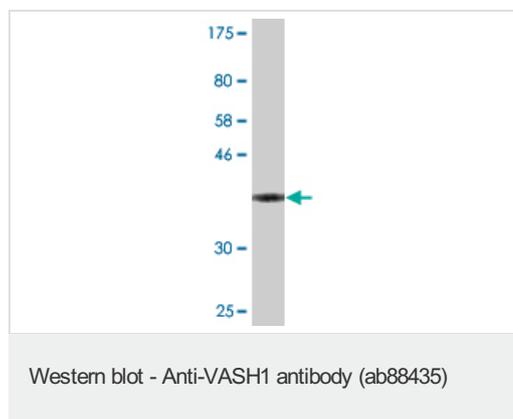
Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 41 kDa.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Preferentially expressed in endothelial cells. Highly expressed in fetal organs. Expressed in brain and placenta, and at lower level in heart and kidney. Highly detected in microvessels endothelial cells of atherosclerotic lesions.
<b>Sequence similarities</b>	Belongs to the vasohibin family.
<b>Post-translational modifications</b>	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 correspond to the 27 kDa form and that consisting of Met-77 to Val-365 may correspond to the 36 kDa form.
<b>Cellular localization</b>	Secreted.

## Images



Anti-VASH1 antibody (ab88435) at 1 µg/ml +  
Tagged recombinant Human VASH1 fragment  
(the immunogen) at 0.1 µg

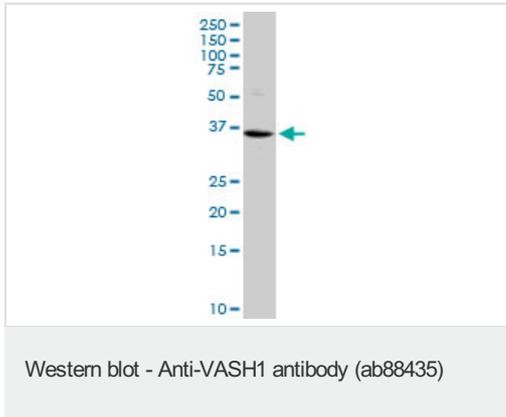
### Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at  
1/5000 dilution

**Predicted band size:** 41 kDa

**Observed band size:** 37 kDa

Western blot against tagged recombinant  
protein immunogen. Predicted band size of  
immunogen is 37 kDa.



Anti-VASH1 antibody (ab88435) at 1 µg/ml +  
HepG2 cell lysate at 25 µg

**Secondary**

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at  
1/2500 dilution

**Predicted band size:** 41 kDa

**Observed band size:** 36 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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