

Product datasheet

Anti-VASH1 antibody ab88435

2 Images

Overview

Product name	Anti-VASH1 antibody
Description	Mouse monoclonal to VASH1
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human
Immunogen	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. Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Tagged recombinant human VASH1 fragment (the immunogen). HepG2 cell lysate.

Properties

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

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.

Tissue specificity

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.

Sequence similarities

Belongs to the vasohibin family.

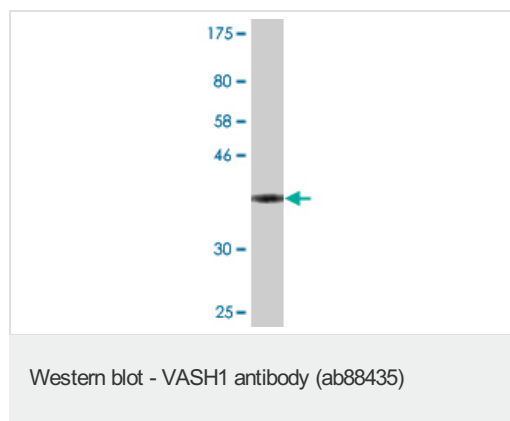
Post-translational modifications

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.

Cellular localization

Secreted.

Images



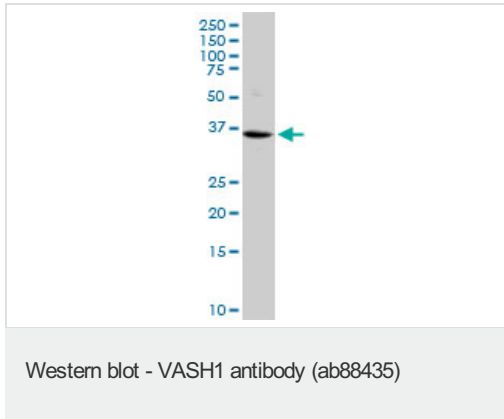
Anti-VASH1 antibody (ab88435) at 1 µg/ml +
Tagged recombinant Human VASH1 fragment
(the immunogen) at 0.1 µg

Secondary

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

Predicted band size : 41 kDa

Observed band size : 37 kDa



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

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