

Product datasheet

Anti-VAMP4 antibody ab108051

[1 References](#) [3 Images](#)

Overview

Product name	Anti-VAMP4 antibody
Description	Rabbit polyclonal to VAMP4
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	KLH conjugated synthetic peptide between internal sequence amino acids 23 - 53 of Human VAMP4 (NP_001172056.1, NP_003753.2).
Positive control	WB: K562 cell line lysates; Mouse liver tissue lysates IHC-P: Human hepatocarcinoma
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Purification notes	ab108051 is purified through a protein A column, followed by peptide affinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab108051 in the following tested applications.

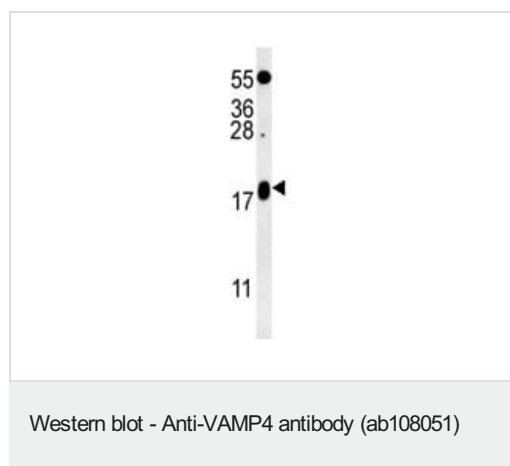
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/100 - 1/500. Predicted molecular weight: 16 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

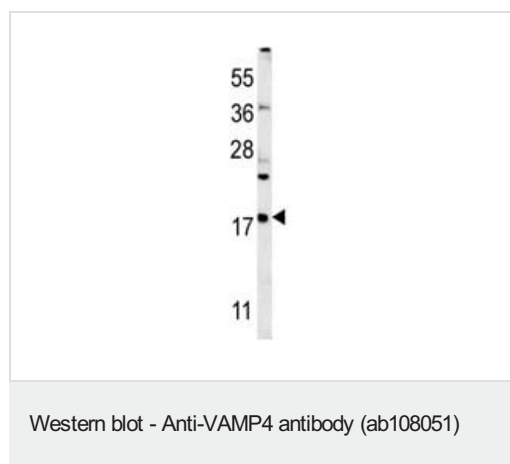
Function	Involved in the pathway that functions to remove an inhibitor (probably synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules. May be a marker for this sorting pathway that is critical for remodeling the secretory response of granule.
Sequence similarities	Belongs to the synaptobrevin family. Contains 1 v-SNARE coiled-coil homology domain.
Cellular localization	Golgi apparatus > trans-Golgi network membrane. Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles.

Images



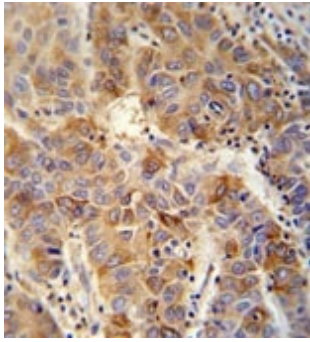
Anti-VAMP4 antibody (ab108051) at 1/100 dilution + K562 cell line lysates at 35 μ g

Predicted band size: 16 kDa



Anti-VAMP4 antibody (ab108051) at 1/100 dilution + Mouse liver tissue lysates at 35 μ g

Predicted band size: 16 kDa



ab108051, at a 1/50 dilution, staining VAMP4 in formalin fixed, paraffin embedded Human hepatocarcinoma by Immunohistochemistry, followed by peroxidase conjugation of the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VAMP4 antibody (ab108051)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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