

Product datasheet

Anti-VAMP8/EDB antibody [EP2629Y] - BSA and Azide free ab227984

Recombinant RabMAb

7 References 6 Images

Overview

Product name	Anti-VAMP8/EDB antibody [EP2629Y] - BSA and Azide free
Description	Rabbit monoclonal [EP2629Y] to VAMP8/EDB - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P, Flow Cyt, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	(N terminal). The exact sequence is proprietary.
Positive control	WB: 293T, HEK293, HeLa, RAW264.7, NIH/3T3 and PC-12 cell lysates and mouse kidney tissue lysate. IHC-P: Human brain and kidney tissue. ICC/IF: PC-12 cells. Flow Cyt: HeLa cells. IP: HEK293 cell lysate.
General notes	ab227984 is the carrier-free version of ab76021 This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Ab227984 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

Previously labelled as VAMP8.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Constituent: PBS

Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP2629Y
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab227984** in the following tested applications.

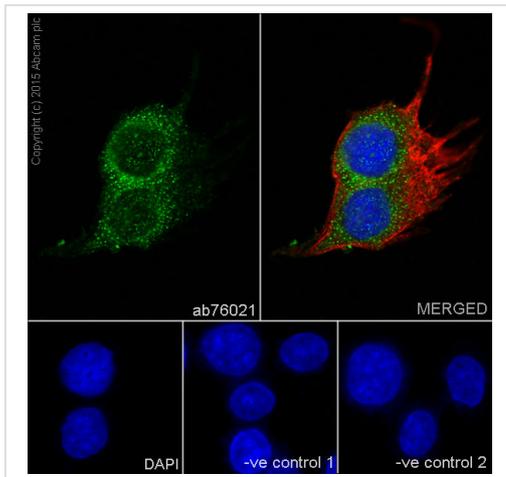
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 17 kDa (predicted molecular weight: 11 kDa).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .
Flow Cyt		Use at an assay dependent concentration. ab199376 - Rabbit monoclonal IgG (Low endotoxin, Azide free), is suitable for use as an isotype control with this antibody.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Involved in the targeting and/or fusion of transport vesicles to their target membrane. Involved for dense-granule secretion in platelets. Plays a role in regulated enzyme secretion in pancreatic acinar cells. Involved in the abscission of the midbody during cell division, which leads to completely separate daughter cells. Involved in the homotypic fusion of early and late endosomes.
Tissue specificity	Platelets.
Sequence similarities	Belongs to the synaptobrevin family. Contains 1 v-SNARE coiled-coil homology domain.
Cellular localization	Membrane.

Images



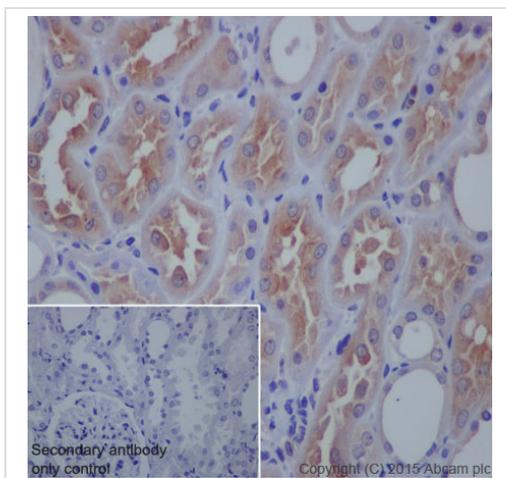
Immunocytochemistry/ Immunofluorescence - Anti-VAMP8/EDB antibody [EP2629Y] - BSA and Azide free (ab227984)

Immunocytochemistry/Immunofluorescence analysis of PC-12 cells labelling VAMP8/EDB with purified [ab76021](#) at a dilution of 1/100. Cells were fixed with 100% methanol and permeabilized with 0.1% Triton X-100. [ab150077](#), an Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. [ab7291](#), a mouse anti-tubulin (1/1000) and [ab150120](#), an Alexa Fluor[®] 594-conjugated goat anti-mouse IgG (1/1000) were also used.

Control 1: primary antibody (1/100) and secondary antibody, [ab150120](#), an Alexa Fluor[®] 594-conjugated goat anti-mouse IgG (1/1000).

Control 2: [ab7291](#) (1/1000) and secondary antibody, [ab150077](#), an Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (1/1000).

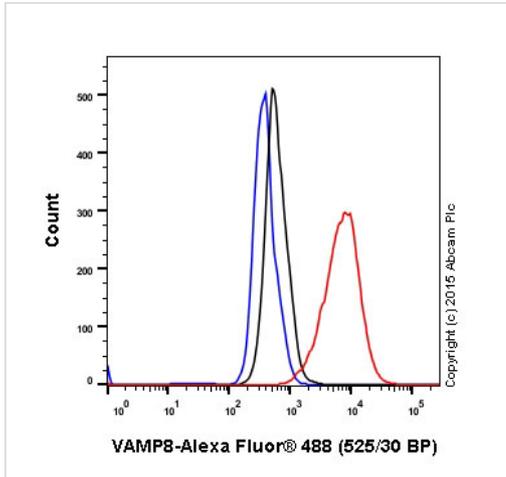
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76021](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VAMP8/EDB antibody [EP2629Y] - BSA and Azide free (ab227984)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling VAMP8/EDB with purified [ab76021](#) at a dilution of 1/250. Heat mediated antigen retrieval was performed using EDTA buffer pH 9. [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

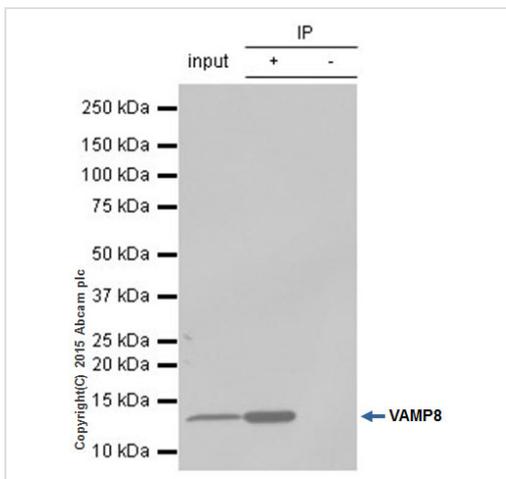
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76021](#)).



Flow Cytometry - Anti-VAMP8/EDB antibody
[EP2629Y] - BSA and Azide free (ab227984)

Flow Cytometry analysis of HeLa cells labelling VAMP8/EDB with purified [ab76021](#) at a dilution of 1/150 (red). Cells were fixed with 4% paraformaldehyde. An Alexa Fluor[®] 488-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76021](#)).



Immunoprecipitation - Anti-VAMP8/EDB antibody
[EP2629Y] - BSA and Azide free (ab227984)

[ab76021](#) (purified) at 1/50 immunoprecipitating VAMP8/EDB in HEK293 whole cell lysate.

Lane 1 (input): HEK293 whole cell lysate (10µg)

Lane 2 (+): [ab76021](#) + HEK293 whole cell lysate.

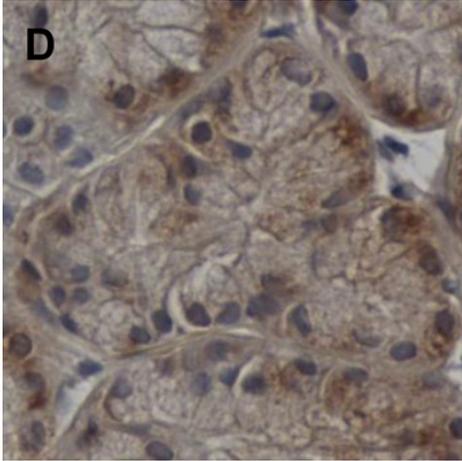
Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of [ab76021](#) in HEK293 whole cell lysate.

For western blotting, VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10,000 dilution.

Blocking buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm /TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76021](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VAMP8/EDB antibody

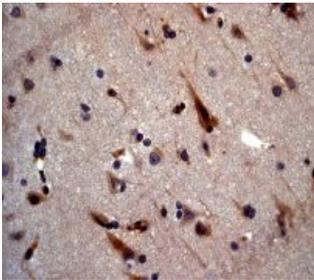
[EP2629Y] - BSA and Azide free (ab227984)

Image from Kamoi Met al. PLoS One. 2012;7(9):e43688. doi: 10.1371/journal.pone.0043688. Epub 2012 Sep 4. Fig 4.; doi:10.1371/journal.pone.0043688; September 4 2012 PLoS ONE 7(9): e43688.

Immunohistochemical analysis of Human lacrimal gland tissue staining VAMP8/EDB with unpurified [ab76021](#).

Antigen retrieval was performed using antigen retrieval solution in a microwave. Sections were blocked with 10 goat serum for 30 minutes and incubated with primary antibody (1/100) overnight at 4°C. Staining was detected using DAB.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab76021](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VAMP8/EDB antibody

[EP2629Y] - BSA and Azide free (ab227984)

This IHC data was generated using the same anti-VAMP8/EDB antibody clone, EP2629Y, in a different buffer formulation (cat# [ab76021](#)).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human brain tissue labelling VAMP8/EDB with unpurified [ab76021](#) at a dilution of 1/100. A HRP/AP polymerized secondary antibody was used.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors