

Product datasheet

Anti-VILIP1 antibody [EPR9832] ab180141

Recombinant RabMAb

5 Images

Overview

Product name	Anti-VILIP1 antibody [EPR9832]
Description	Rabbit monoclonal [EPR9832] to VILIP1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, Flow Cyt, IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human VILIP1 aa 1-100. The exact sequence is proprietary. Database link: P62760
Positive control	Human cerebellum, Mouse brain and rat brain lysate, Human brain tissue, SH-SY5Y cells.
General notes	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR9832
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab180141** in the following tested applications.

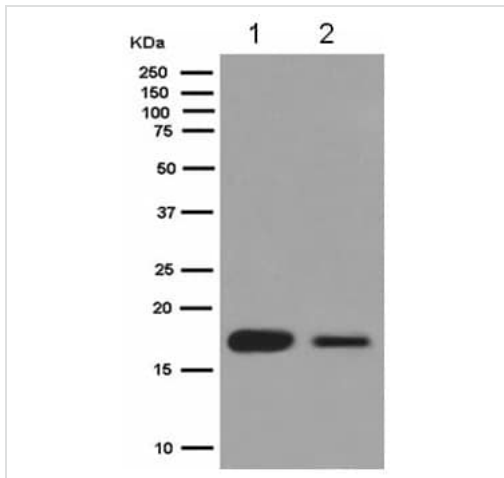
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 18 kDa (predicted molecular weight: 22 kDa).
Flow Cyt		1/50. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/60.

Target

Function	Regulates (in vitro) the inhibition of rhodopsin phosphorylation in a calcium-dependent manner.
Tissue specificity	Brain and retina. Neuron-specific in the central and peripheral nervous system. Increased in the cerebrospinal fluid of Alzheimer disease patients (at protein level).
Sequence similarities	Belongs to the recoverin family. Contains 4 EF-hand domains.

Images



Western blot - Anti-VILIP1 antibody [EPR9832] (ab180141)

All lanes : Anti-VILIP1 antibody [EPR9832] (ab180141) at 1/1000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Rat brain lysate

Secondary

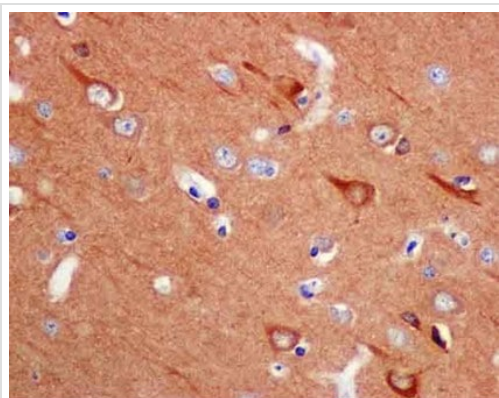
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 22 kDa

Observed band size: 18 kDa

[why is the actual band size different from the predicted?](#)

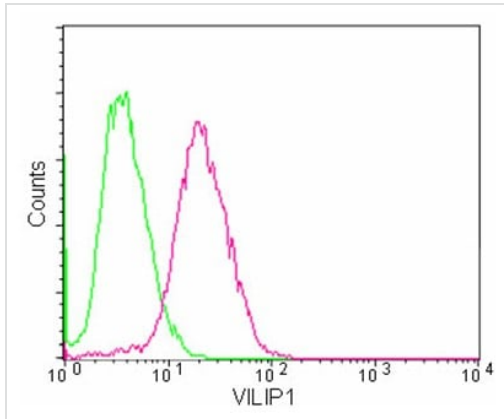
Blocking buffer and concentration: 5% NFD/MTBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VILIP1 antibody [EPR9832] (ab180141)

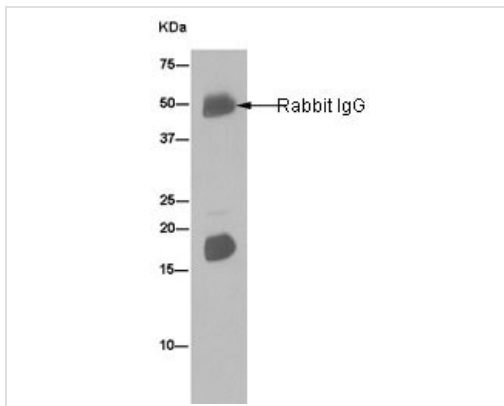
Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling VILIP1 with ab180141 at 1/500 dilution. Secondary antibody Goat anti rabbit IgG(HRP) prediluted. Counter stain Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



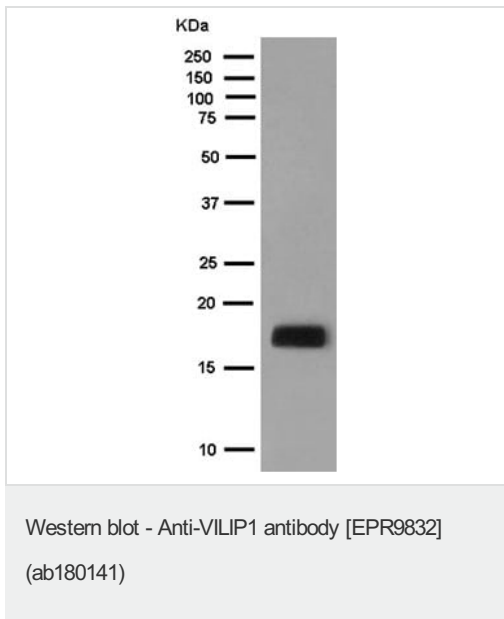
Flow Cytometry - Anti-VILIP1 antibody [EPR9832]
(ab180141)

Flow cytometric analysis of 2% paraformaldehyde fixed SH-SY5Y cells labeling VILIP1 with ab180141 at 1/50. Secondary antibody Goat anti rabbit IgG (FITC) at 1/75. Isotype control Rabbit IgG.



Immunoprecipitation - Anti-VILIP1 antibody
[EPR9832] (ab180141)

Immunoprecipitation analysis of Human cerebellum lysate labeling VILIP1 using ab180141 at 1/60 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 was used as secondary antibody.



Anti-VILIP1 antibody [EPR9832] (ab180141) at 1/1000 dilution +
Human cerebellum at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab136636) at 1/500 dilution
(Goat Anti-Rabbit IgG HRP)

Predicted band size: 22 kDa

Observed band size: 18 kDa [why is the actual band size different from the predicted?](#)

Blocking buffer and concentration: 5% NFDm/TBST

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

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