

## Product datasheet

# Anti-VILIP1 antibody [EPR9832] ab180141

Recombinant RabMAb

[5 Images](#)

### Overview

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<b>Product name</b>	Anti-VILIP1 antibody [EPR9832]
<b>Description</b>	Rabbit monoclonal [EPR9832] to VILIP1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), IHC-P, WB <b>Unsuitable for:</b> IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human VILIP1 aa 1-100. The exact sequence is proprietary. Database link: <a href="#">P62760</a>
<b>Positive control</b>	Human cerebellum, Mouse brain and rat brain lysate, Human brain tissue, SH-SY5Y cells.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9832
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

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
Flow Cyt (Intra)		1/50. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
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).

### Application notes

Is unsuitable for IP.

## Target

### Function

Regulates (in vitro) the inhibition of rhodopsin phosphorylation in a calcium-dependent manner.

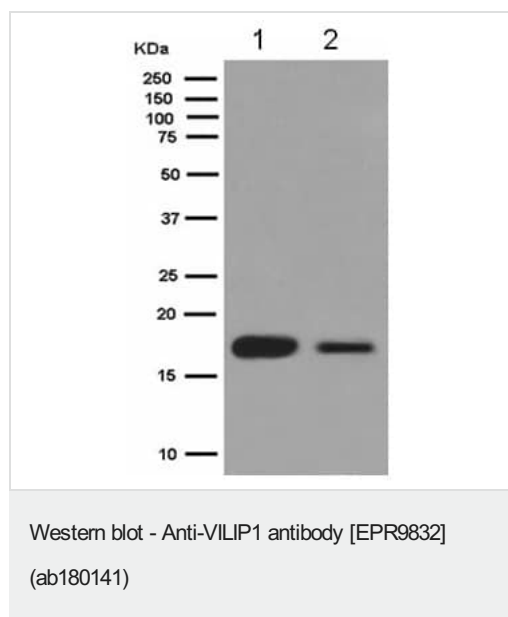
### Tissue specificity

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



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

**Lane 1** : Mouse brain lysate

**Lane 2** : Rat brain lysate

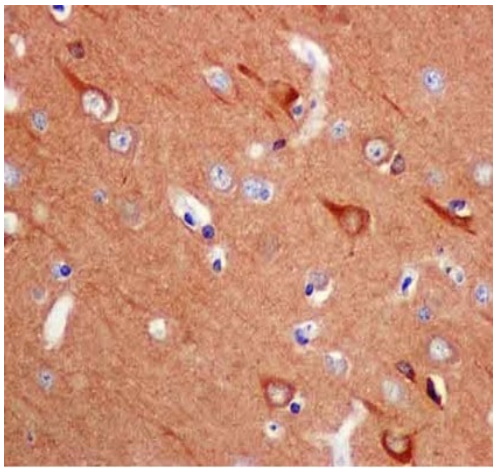
### Secondary

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

**Predicted band size:** 22 kDa

**Observed band size:** 18 kDa

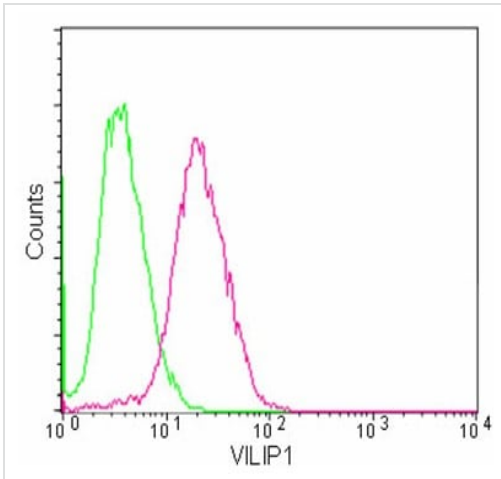
Blocking buffer and concentration: 5% NFD/MTBST



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

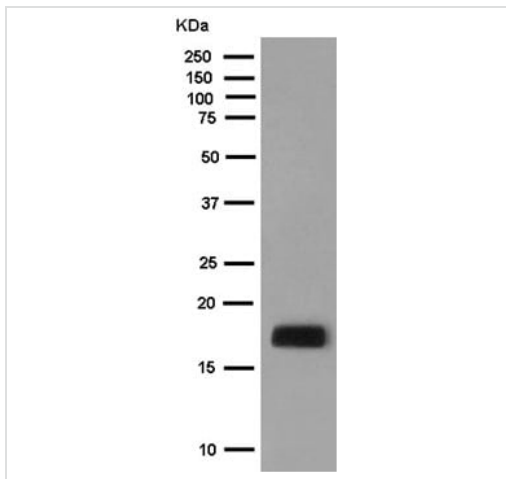
Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling VILIP1 with ab180141 at 1/500 dilution. Secondary antibody Goat anti rabbit IgG(HRP) prediluted. Counter stain Hematoxylin.

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



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

Intracellular 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.



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

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

Blocking buffer and concentration: 5% NFDM/TBST

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-VILIP1 antibody [EPR9832] (ab180141)

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

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