

# Anti-VIP antibody [EPR23288-43] - BSA and Azide free ab273589

Recombinant RabMAb

6 Images

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-VIP antibody [EPR23288-43] - BSA and Azide free  |
| <b>Description</b>         | Rabbit monoclonal [EPR23288-43] to VIP - BSA and Azide free   |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> IHC-P, IHC-Fr<br><b>Unsuitable for:</b> IP or WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Rat, Human   |
| <b>Immunogen</b>           | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.   |
| <b>Positive control</b>    | IHC-P: Human duodenum tissue; Mouse small intestine tissue; Rat small intestine tissue. IHC-Fr: Mouse colon tissue; Rat colon tissue. |
| <b>General notes</b>       | ab273589 is the carrier-free version of <a href="#">ab272726</a> .  |

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

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.

This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.

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

## Properties

|                      |   |
|----------------------|---|
| Form                 | Liquid  |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Storage buffer       | pH: 7.2<br>Constituent: PBS                   |
| Carrier free         | Yes   |
| Purity               | Protein A purified                            |
| Clonality            | Monoclonal                                    |
| Clone number         | EPR23288-43                                   |
| Isotype              | IgG   |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab273589 in the following tested applications.

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

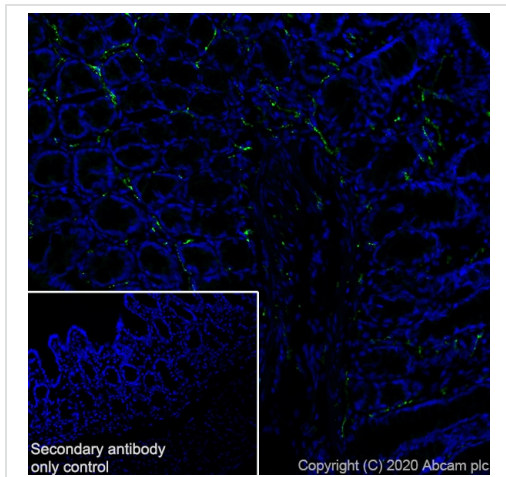
| Application | Abreviews | Notes   |
|-------------|-----------|---|
| IHC-P       |           | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| IHC-Fr      |           | Use at an assay dependent concentration.<br>Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).             |

**Application notes** Is unsuitable for IP or WB.

## Target

|                       |   |
|-----------------------|---|
| Function              | VIP causes vasodilation, lowers arterial blood pressure, stimulates myocardial contractility, increases glycogenolysis and relaxes the smooth muscle of trachea, stomach and gall bladder. PHM and PHV also cause vasodilation. |
| Sequence similarities | Belongs to the glucagon family.   |
| Cellular localization | Secreted.   |

## Images



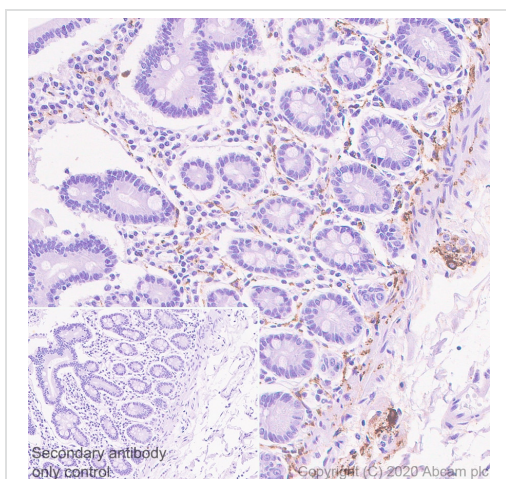
Immunohistochemistry (Frozen sections) - Anti-VIP antibody [EPR23288-43] - BSA and Azide free (ab273589)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat colon tissue labeling VIP with **ab272726** at 1/100 dilution followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on enteric nerve of rat colon (PMID: 26446924) is observed. The nuclear counterstain was DAPI (Blue).

Secondary antibody control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (abab272726).



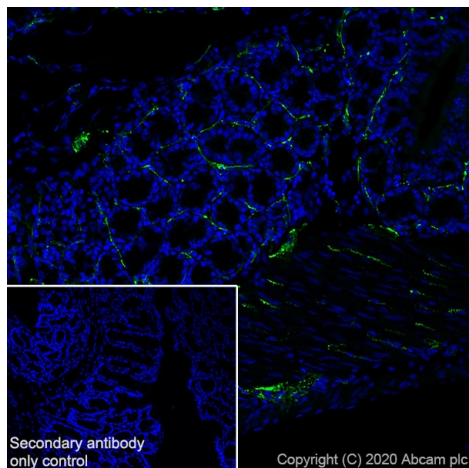
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VIP antibody [EPR23288-43] - BSA and Azide free (ab273589)

Immunohistochemical analysis of paraffin-embedded Human duodenum tissue labeling VIP with **ab272726** at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on enteric nerve of human duodenum. The section was incubated with **ab272726** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (abab272726).



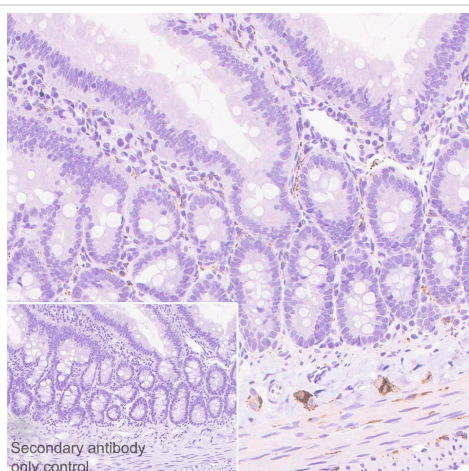
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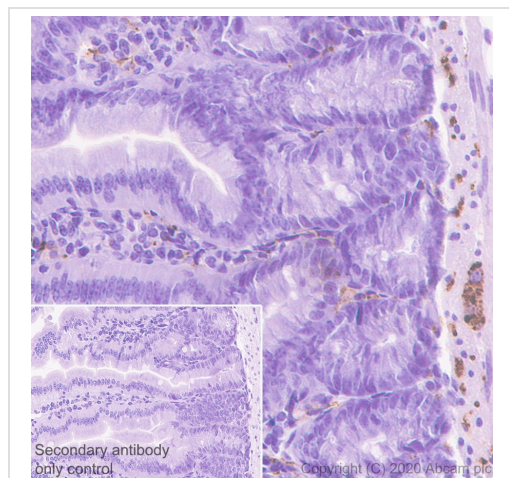
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Immunohistochemical analysis of paraffin-embedded Rat small intestine tissue labeling VIP with **ab272726** at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on enteric nerve of rat small intestine (PMID: 7014205). The section was incubated with **ab272726** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VIP antibody [EPR23288-43] - BSA and Azide free (ab273589)

Immunohistochemical analysis of paraffin-embedded Mouse small intestine tissue labeling VIP with **ab272726** at 1/500 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on enteric nerve of mouse small intestine. The section was incubated with **ab272726** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

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Why choose a recombinant antibody?

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

Anti-VIP antibody [EPR23288-43] - BSA and Azide free (ab273589)

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

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