

# Anti-Peptide Histidine Methionine antibody [3] ab36381

[1 Image](#)

### Overview

<b>Product name</b>	Anti-Peptide Histidine Methionine antibody [3]
<b>Description</b>	Mouse monoclonal [3] to Peptide Histidine Methionine
<b>Host species</b>	Mouse
<b>Specificity</b>	This antibody binds free Peptide Histidine Methionine in solution. It cross reacts with PACAP (approximately 12%, incomplete, non parallel inhibition). It does not cross react with GLP1, GLP2 VIP or glucagon.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic human Peptide Histidine Methionine coupled to carrier.
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituents: 2.9% Sodium chloride, 0.0268% PBS</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	3
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab36381 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		

### Application notes

ELISA: 1/2000. Use at this dilution with Peptide Histidine Methionine coating at 2 µg/ml.  
For glutaraldehyde linked Peptide Histidine Methionine-ovalbumin (molar ratio 4:1) coated at 1 µg/mL the dilution is 1/30,000.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

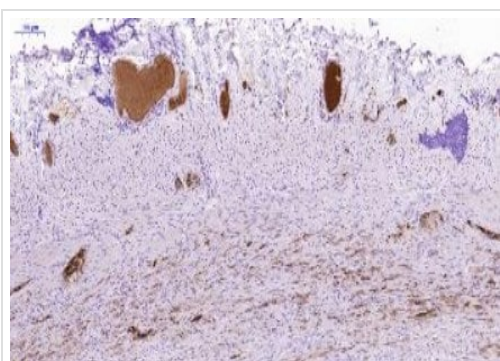
### Relevance

Peptide Histidine Methionine (PHM) is a 27 amino acid vasodilator peptide which shares 50% amino acid homology with vasoactive intestinal peptide (VIP) and which is encoded as part of the pro VIP molecule. Accordingly, all pro VIP derived neuropeptides are frequently colocalized, but appear to exert different physiological effects. The VIP/PHM prohormone is produced by neurons in the central and peripheral nervous systems, often together with acetylcholine. PHM belongs to the glucagon secretin family of peptide hormones and like VIP is a vasodilator and stimulator of intestinal fluid secretion.

### Cellular localization

Secreted

## Images



Immunohistochemistry of human appendix section staining Peptide Histidine Methionine using ab36381 (1:200).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peptide Histidine Methionine antibody [3] (ab36381)

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

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- 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.

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