

Product datasheet

Anti-Peptide Histidine Methionine antibody [3]
ab36381

1 Image

Overview

Product name	Anti-Peptide Histidine Methionine antibody [3]
Description	Mouse monoclonal [3] to Peptide Histidine Methionine
Host species	Mouse
Specificity	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.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic human Peptide Histidine Methionine coupled to carrier.
General notes	<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&As</p>

Properties

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

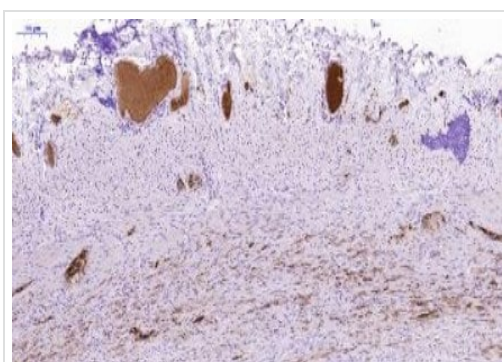
Relevance

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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