

VIP Antibody (C-term) Blocking Peptide Synthetic peptide Catalog # BP6554b

Specification

VIP Antibody (C-term) Blocking Peptide - Product Information

Primary Accession

P01282

VIP Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7432

Other Names

VIP peptides, Intestinal peptide PHV-42, Peptide histidine valine 42, Intestinal peptide PHM-27, Peptide histidine methioninamide 27, Vasoactive intestinal peptide, VIP, Vasoactive intestinal polypeptide, VIP

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP6554b was selected from the C-term region of human VIP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VIP Antibody (C-term) Blocking Peptide - Protein Information

Name VIP (<u>HGNC:12693</u>)

Function

[Vasoactive intestinal peptide]: VIP is a neuropeptide involved in a diverse array of physiological processes through activating the PACAP subfamily of class B1 G protein-coupled receptors: VIP receptor 1 (VPR1) and VIP receptor 2 (VPR2) (PubMed:1318039, PubMed:36385145, PubMed:8933357). Abundantly expressed throughout the CNS and peripheral nervous systems where they primarily exert neuroprotective and immune modulatory roles (PubMed:3456568). Also causes vasodilation, lowers arterial blood pressure, stimulates myocardial contractility, increases



glycogenolysis and relaxes the smooth muscle of trachea, stomach and gall bladder (PubMed:15013843).

Cellular Location Secreted.

VIP Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

Blocking Peptides

VIP Antibody (C-term) Blocking Peptide - Images

VIP Antibody (C-term) Blocking Peptide - Background

VIP belongs to the glucagon family. It stimulates myocardial contractility, causes vasodilation, increases glycogenolysis, lowers arterial blood pressure and relaxes the smooth muscle of trachea, stomach and gall bladder.

VIP Antibody (C-term) Blocking Peptide - References

Lu,Y., Neurogastroenterol. Motil. 21 (7), 754-E47 (2009)Zhu,L., Int J Gynaecol Obstet 105 (3), 223-225 (2009)