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PRODUCT DATASHEET

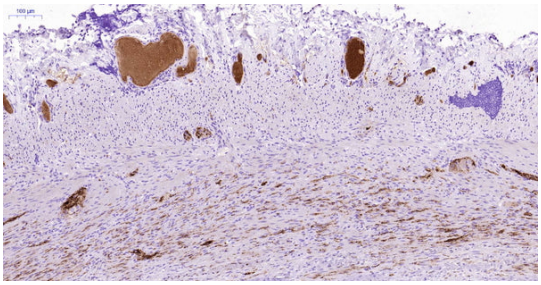
Anti-Peptide Histidine Methionine Antibody

Product Details

Available Variants	100 uL (SKU:ABS 020-03-010) 400 uL (SKU:ABS 020-03-04) 1000 uL (SKU:ABS 020-03-1)
Conjugate	Unconjugated
Isotype	IgG2a/k
Clone	3
Gene Name	VIP
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IHC
Dilution Ranges	IHC: 1:200 ELISA: 1:2000
Species Reactivity	Human
Immunogen	Synthetic human peptide histidine-methionine
Specificity	ABS 020-03 binds human PHM and cross-reacts with PACAP (approximately 12%; incomplete, non-parallel inhibition). ABS 020-03 does not cross-react with GLP-1, GLP-2, VIP or glucagon.
Molecular Weight	3 kDa
Storage	2-8°C without exposure to light

UniProt ID	P01282 UniProt Summary: [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). {ECO:0000269|PubMed:1318039, ECO:0000269|PubMed:15013843, ECO:0000269|PubMed:3456568, ECO:0000269|PubMed:36385145, ECO:0000269|PubMed:8933357}.; [Intestinal peptide PHM-27]: Bioactive forms that cause vasodilation (PubMed:15013843, PubMed:3654650). PHM-27 is a potent agonist of the calcitonin receptor CALCR, with similar efficacy as calcitonin (PubMed:15013843). {ECO:0000269|PubMed:15013843, ECO:0000269|PubMed:3654650}.; [Intestinal peptide PHV-42]: Bioactive forms that cause vasodilation (PubMed:15013843, PubMed:3654650). {ECO:0000269|PubMed:15013843, ECO:0000269|PubMed:3654650}.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	7432

Product Images



Immunohistochemistry detection of Peptide Histidine Methionine in human appendix tissue using Anti-Peptide Histidine Methionine Antibody (Cat.ABS 020-03-010). Tissue was mounted and pariffin fixed. Heat induced antigen retrieval was performed using citrate buffer, heated, and then blocked. After washing, the primary antibody (Cat.ABS 020-03-010) was incubated with the sample at a dilution of 1:200. Plasma of the veins stained strongly as well as ganglion cells of neuronal plexuses and neuronal axons.



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