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orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

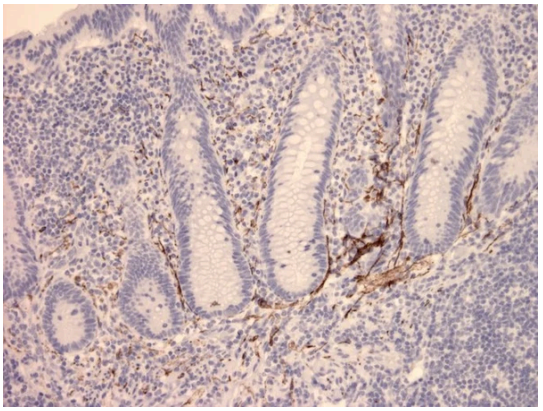
Anti-Vasoactive Intestinal Peptide Antibody

Product Details

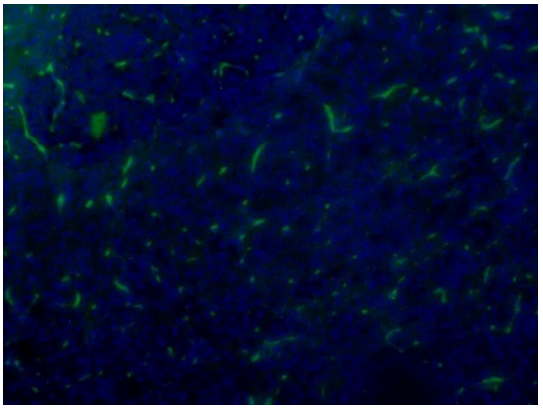
Available Variants	100 uL (SKU:ABS 023-02-010) 400 uL (SKU:ABS 023-02-04) 1000 uL (SKU:ABS 023-02-1)
Conjugate	Unconjugated
Isotype	IgG1/k
Clone	2
Gene Name	VIP
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IF, IHC, WB
Dilution Ranges	IHC: 1:100 ELISA: 1:1000
Species Reactivity	Bovine, Human
Immunogen	Vasoactive intestinal peptide
Specificity	ABS 023-02 binds to human, bovine, porcine or rat VIP, but does not bind to PHM or PACAP.
Molecular Weight	16 kDa (recombinant/precursor), 4 kDa (native/active)
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 Vasoactive Intestinal Peptide in human appendix tissue using Anti-Vasoactive Intestinal Peptide Antibody (Cat.ABS 023-02-010). 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 023-02-010) was incubated with the sample at a dilution of 1:100.



Immunofluorescent staining of Vasoactive Intestinal Peptide in nerves of exocrine part of human pancreas using Anti-Vasoactive Intestinal Peptide Antibody (Cat.ABS 023-02-010). Cells where fixed with formaldehyde and permeabilized prior to staining Primary antibody (ABS 023-02-010) was incubated with the cells at a dilution of 1:100.



Immunohistochemistry detection of Vasoactive Intestinal Peptide in human appendix tissue using Anti-Vasoactive Intestinal Peptide Antibody (Cat.ABS 023-02-010). 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 023-02-010) was incubated with the sample at a dilution of 1:100.