

Product datasheet

anti-Vasoactive Intestinal Peptide guinea pig polyclonal, serum

Short overview

Cat. No.	16071
Quantity	50 µl (lyoph.)

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic human VIP (Peninsula, #7161)
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	A0A5F5XTM9 (Cat, Felis silvestris catus), P04566 (Guinea pig), P01282 (Human), P01284 (Pig), P32649 (Rabbit), P01283 (Rat)
Synonym	VIP peptides [Cleaved into: Intestinal peptide PHV-42, Peptide histidine valine 42; Intestinal peptide PHM-27, Peptide histidine methioninamide 27; Vasoactive intestinal peptide, VIP, Vasoactive intestinal polypeptide], VIP
Conjugate	Unconjugated
Purification	Undiluted antiserum
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC
Reactivity	Cat, Guinea pig, Human, Pig, Rabbit, Rat

Applications

Immunohistochemistry (IHC) - frozen 1:1,000-1:2,000

Immunohistochemistry (IHC) - paraffin 1:1,000-1:2,000 (microwave treatment recommended)

Background

VIP is localized in nerve fibers of the central and peripheral nervous system, and is probably acting as a neurotransmitter. Smooth muscle relaxation, vasodilation and secretion from exocrine glands are some of the effects of VIP. The Verner-Morrison or Watery Diarrhea Hypokaliemia and Achlorhydria (WDHA) syndrome is a characteristic clinical syndrome associated with overproduction of VIP from endocrine tumors. These VIP-producing tumors are usually neuroblastomas of endocrine tumors in the pancreas. Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining, while PHI does not. Positive control: Stefanini-fixed frozen sections of rat intestine.

Product images



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References

Publication	Species	Application
Karila, P. & Holmgren, S. Anally projecting neurons exhibiting immunoreactivity to galanin, nitric oxide synthase and vasoactive intestinal peptide, detected by confocal laser scanning microscopy, in the intestine of the Atlantic cod, <i>Gadus morhua</i>. Cell	G. morhua	IHC (frozen), whole mount
Messell, T., Harling, H., Seier Poulsen, S., Bersani, M. & Holst, J. J. Extrinsic control of the release of galanin and VIP from intrinsic nerves of isolated, perfused, porcine ileum. Regul. Pept. 38, 179–198 (1992).	pig	IHC (frozen)

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