

Product datasheet

anti-Vasoactive Intestinal Peptide rabbit polyclonal, serum

Short overview

Cat. No.	16099
Quantity	50 µl (lyoph.)

Product description

Host	Rabbit
Antibody Type	Polyclonal
Immunogen	Purified porcine VIP
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	A0A5F5XTM9 (Cat, Felis silvestris catus), P01282 (Human), P01284 (Pig), P01284 (Pig), P04566 (Guinea pig), 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, Human, Pig, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:1,500-1:5,000
Immunohistochemistry (IHC) - paraffin	1:1,500-1:5,000 (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, secretin, glucagon, GIP, and CCK do not.

Positive control: formalin-fixed paraffin sections of cat ileum.

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
Ny, L. et al. Nitric oxide synthase-containing, peptide-containing, and acetylcholinesterase-positive nerves in the cat lower oesophagus. Histochem. J. 26, 721-733 (1994).	cat	IHC (frozen)
Tagliafierro, G., Bonini, E., Faraldi, G., Farina, L. & Rossi, G. Distribution and ontogeny of VIP-like immunoreactivity in the gastro-entero-pancreatic system of a cartilaginous fish <i>Scyliorhinus stellaris</i>. Cell Tissue Res. 253, 23-38 (1988).	Scyliorhinus stellaris	IHC (paraffin)
Ekblad, E., Håkanson, R. & Sundler, F. VIP and PHI coexist with an NPY-like peptide in intramural neurones of the small intestine. Regul. Pept. 10, 47-55 (1984).	mouse, rat, pig	IHC (frozen)