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)
Synomym	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 ug 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, Gadus morhua. 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, 721â€“733 (1994).	cat	IHC (frozen)
Tagliafierro, G., Bonini, E., Faraldi, G., Farina, L. & Rossi, G. G. Distribution and ontogeny of VIP-like immunoreactivity in the gastro-entero-pancreatic system of a cartilaginous fish Scyliorhinus stellaris. Cell Tissue Res. 253, 23â€“8 (1988).	Scyliorhinus stellaris	IHC (paraffin)
Ekblad, E., HÃ¥kanson, R. & Sundler, F. VIP and PHI coexist with an NPY-like peptide in intramural neurones of the small intestine. Regul. Pept. 10, 47â€“55 (1984).	mouse,rat,pig	IHC (frozen)