Polyclonal Antibody to VIP peptides - Serum

Alternate names: VIP, Vasoactive intestinal peptide

Catalog No.: AP09566SU-N

Quantity: 50 µl

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.

Uniprot ID: P01282

NCBI: NP_003372

GeneID: 7432

Host / Isotype: Guinea Pig / IgG

Immunogen: Synthetic Human VIP (Peninsula, #7161).

Format: State: Lyophilized Undiluted Serum.
Reconstitution: Dissolve the antiserum in 50-100 µl distilled water, and dilute further in 0.1 M PBS with 1% BSA and 0.09% Sodium Azide.

Applications: Immunofluorescence: 1/1000-1/2000 with overnight incubation at 2-8°C. Immunohistochemistry on Frozen and Paraffin Sections. Recommended Positive Control: Stefanini-fixed frozen sections of rat intestine. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Antibody AP09566SU-N recognizes VIP (Vasoactive intestinal peptide). Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining, while PHI does not.

Species Reactivity: Tested: Human, Pig, Cat, Rabbit, Rat and Guinea Pig.

Storage: Store the antibody at 2-8°C (undiluted) for one month or at -20°C (aliquots) for longer. Shelf life: one year from despatch.