



Catalog Number:	RA20071	Host:	Rabbit
Product Type:	Whole Serum	Species Reactivity:	Guinea Pig, Mouse, Primate, Rat
Immunogen Sequence:	Synthetic VIP coupled to bovine thyroglobulin (BTg) with carbodiimide (CDI) linker.	Format:	Lyophilized less than 0.09% Sodium Azide as a Preservative.
Applications:	Immunohistochemistry: 1:300-1:500 -Fluorescent staining; 1:4000-1:6000 Biotin-Streptavidin/HRP staining		

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Note that a change in the fixation or buffering system as used in our protocol may change the configuration of the protein and, therefore, may alter the reactivity with the tissue tested

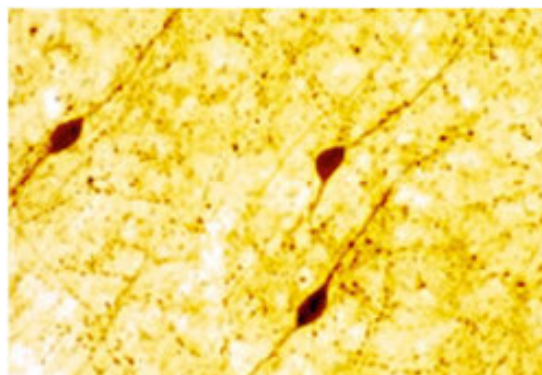
Storage and Preparation: Reconstitute vial with 100 μ L of distilled or deionized water. Storage after reconstitution: Dilute with phosphate buffer or Tris buffer at dilutions no higher than 1/10, aliquot and freeze at -15° C or lower. Stability after reconstitution: Antibody can be stored for up to six months if handled as described above.

Application Notes

Description/Data:

Vasoactive Intestinal Peptide (VIP), a 28 amino acid peptide originally isolated from porcine duodenum, is present not only in gastrointestinal tissues but also in neural tissues, possibly as a neurotransmitter, and exhibits a wide variety of biological actions. It belongs to the glucagon family, and in the duodenum is known to stimulate myocardial contractility, cause vasodilation, increase glycogenolysis, lower arterial blood pressure and relax the smooth muscle of trachea, stomach and gall bladder. Ectopic endocrine tumors secreting VIP (VIPomas) give rise to raised plasma levels of VIP and are associated with watery diarrhea, hypokalemia and achlorhydria syndrome. This antibody detects ganglion cells in both the superficial and deep plexus of the wall of the small bowel in human. The VIP producing tumors are usually neuroblastomas of endocrine tumors in the pancreas. It is also a modulator of joint pain.

Image: VIP Staining of rat brain.



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