

## Anti-VIP peptides VIP Antibody Fluoro594 Conjugated

Catalog Number: RP1108-Fluoro594

### About VIP

Vasoactive intestinal peptide, also known as PHM27 or VIP, is a peptide hormone containing 28 amino acid residues. This gene is mapped to 6q25. The protein encoded by this gene belongs to the glucagon family. It stimulates myocardial contractility, causes vasodilation, increases glycogenolysis, lowers arterial blood pressure and relaxes the smooth muscle of trachea, stomach and gall bladder. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.

### Overview

Product Name	Anti-VIP peptides VIP Antibody Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IF, IHC). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P01282

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human VIP, different from the related mouse and rat sequences by four amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 8 Publications Citing This Product

1. PubMed ID: 10.1016/j.tice.2019.04.006, Distribution of postganglionic neurons which contain dopamine beta-hydroxylase, tyrosine hydroxylase, neuropeptide Y and vasoactive intestinal polypeptide in the human middle cervical ganglion
2. PubMed ID: 10.1016/j.tice.2020.101344, Sensory neurons in the human jugular ganglion
3. PubMed ID: 10.1016/j.tice.2021.101496, Parasympathetic neurons in the human submandibular ganglion

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