

Rabbit Anti-VIP antibody

SL0077R

Product Name VIP

Chinese Name 血管活性肠肽抗体

Alias Vasoactive Intestinal peptide; MGC13587; Peptide histidine methioninamide 27; PHM 27; PHM27; PHV42; VIP peptides precursor; PHI; Peptide Histidine Isoleucine; Vasoactive intestinal peptide; VIP_HUMAN.

Research Area Tumour Cardiovascular immunology Neurobiology Signal transduction Growth factors and hormones

Immunogen Species Rabbit

Clonality Polyclonal

React Species Rat(predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Sheep)
IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 3.3/18kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human VIP: 125-152/170

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution Rat(predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Sheep)1M TBS(pH7.4) with 1% BSA, Rat(predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Sheep)3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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Growth Factor and Hormones

VIP(Vasoactive Intestinal peptide) is a 28-amino acid peptide structurally related tosecretin. It was originally isolated from intestinal extracts and shown to be a potent vasodilator. Subsequent work demonstrated that VIP is very widely distributed in the peripheral and central nervous systems, and probably should not be considered a true GI hormone. A huge number of biological effects have been attributed to VIP. With respect to the digestive system, VIP seems to induce smooth muscle relaxation (lower esophageal sphincter, stomach, gallbladder), stimulate secretion of water into pancreatic juice and bile, and cause inhibition of gastric acid secretion and absorption from the intestinal lumen.

Function:

VIP causes vasodilation, lowers arterial blood pressure, stimulates myocardial contractility, increases glycogenolysis and relaxes the smooth muscle of trachea, stomach and gall bladder.

PHM and PHV also cause vasodilation.

Subcellular Location:

Secreted.

**Product
Detail**

Similarity:

Belongs to the glucagon family.

SWISS:

P01282

Gene ID:

7432

Database links:

[Entrez Gene: 7432](#) Human

[Entrez Gene: 22353](#) Mouse

[Entrez Gene: 117064](#) Rat

[Omim: 192320](#) Human

[SwissProt: P01282](#) Human

[SwissProt: P32648](#) Mouse

[SwissProt: P01283](#) Rat

[Unigene: 53973](#) Human

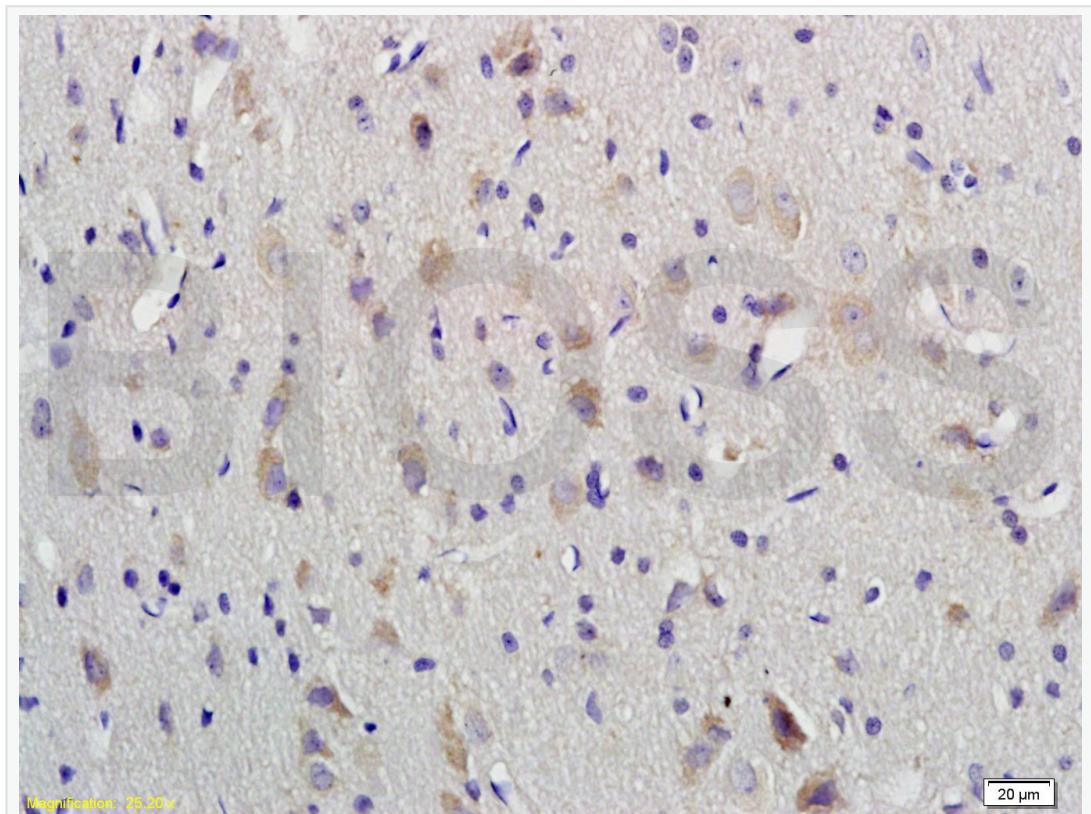
[Unigene: 98916](#) Mouse

[Unigene: 18675](#) Rat

VIP 是一个广泛分布于中枢神经系统和周围神经系统的神经肽，他有较强的血管舒张作用、支气管扩张作用、平滑肌松弛作用，具有很多免疫系统细胞的活性，是一个促分裂剂。

近年来研究表明，VIP 也是一种生长因子,它对多种恶性 Tumour 的发生、发展、增殖和分化起重要的促进作用，血管活性肠肽的神经保护作用受到来自胶质细胞的活性依赖的神经营养因子释放的调节。VIP 和 PACAP 有很高的同源性。

Product Picture



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer

(Rat(predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Sheep)1M, pH 6.0),

Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen



peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-VIP Polyclonal Antibody, Unconjugated (SL0077R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining