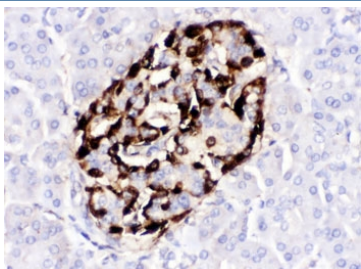


## VIP Antibody / PHM-27 (R32397)

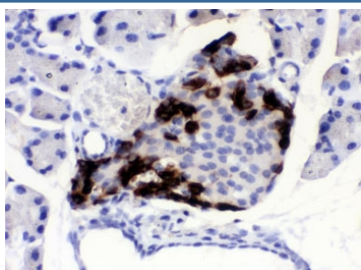
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R32397      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

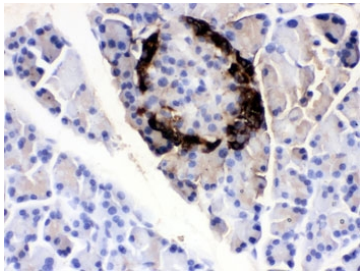
|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                       |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                       |
| <b>Format</b>             | Antigen affinity purified                                               |
| <b>Host</b>               | Rabbit                                                                  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                              |
| <b>Isotype</b>            | Rabbit IgG                                                              |
| <b>Purity</b>             | Antigen affinity                                                        |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide           |
| <b>UniProt</b>            | P01282                                                                  |
| <b>Localization</b>       | Cytoplasmic                                                             |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 0.5-1ug/ml<br>Immunofluorescence : 5ug/ml |
| <b>Limitations</b>        | This VIP antibody is available for research use only.                   |



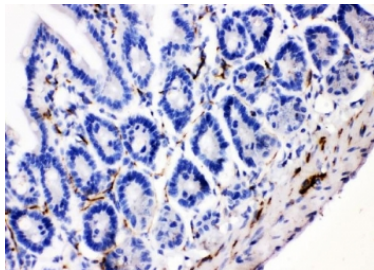
IHC testing of FFPE human pancreas with VIP antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



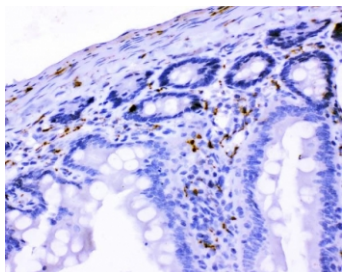
IHC testing of FFPE mouse pancreas with VIP antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



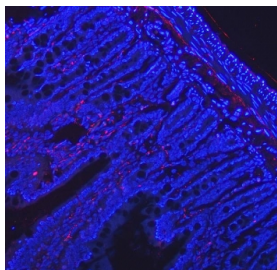
IHC testing of FFPE rat pancreas with VIP antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



IHC testing of FFPE mouse intestinal tissue with VIP antibody. HIER: Boil the paraffin sections in pH8 EDTA buffer for 20 minutes and allow to cool prior to testing.



IHC testing of FFPE rat intestinal tissue with VIP antibody. HIER: Boil the paraffin sections in pH8 EDTA buffer for 20 minutes and allow to cool prior to testing.



Immunofluorescent staining of FFPE rat colon tissue with VIP antibody (red) and DAPI nuclear stain (blue). HIER: Boil the paraffin sections in pH8 EDTA buffer for 20 minutes and allow to cool prior to testing.

## Description

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.

## Application Notes

Optimal dilution of the VIP antibody should be determined by the researcher.

## Immunogen

Amino acids HADGVFTSDFSKLLGQLSAKKYLESLM (PHM-27 sequence) from the human protein were used as the immunogen for the VIP antibody.

## Storage

After reconstitution, the VIP antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.