



# VIP Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-15982                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>       | IHC;IF;WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>          | VIP                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Name</b>       | VIP peptides                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human VIP. AA range:71-120                                                                                                                                                                                                                                                                                                                        |
| <b>Specificity</b>        | VIP Polyclonal Antibody detects endogenous levels of VIP protein.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                 |
| <b>Dilution</b>           | WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>           | VIP; VIP peptides                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Observed Band</b>      | 20kD                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>       | Secreted.                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tissue Specificity</b> | Pancreatic carcinoma,Pheochromocytoma,Prostate,                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Function</b>           | function:PHM and PHV also cause vasodilation.,function:VIP causes vasodilation, lowers arterial blood pressure, stimulates myocardial contractility, increases glycogenolysis and relaxes the smooth muscle of trachea, stomach and gall bladder.,online information:Vasoactive intestinal peptide entry,similarity:Belongs to the glucagon family.,                                                                  |
| <b>Background</b>         | 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 |

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variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2014],

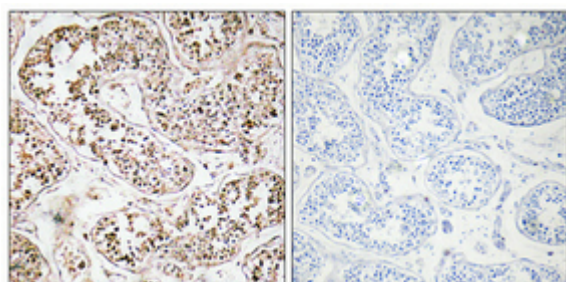
**matters needing attention**

Avoid repeated freezing and thawing!

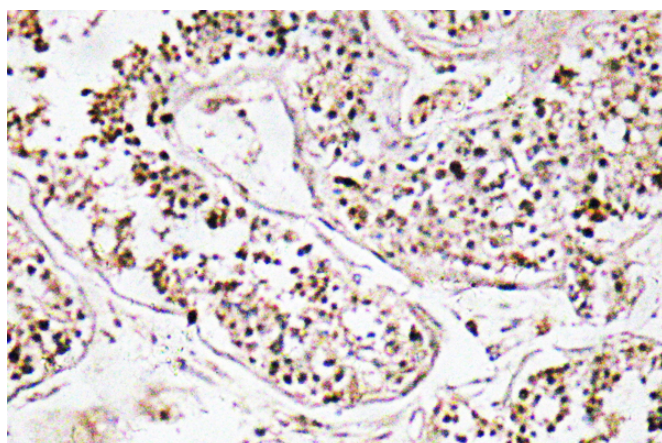
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded Human testis. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



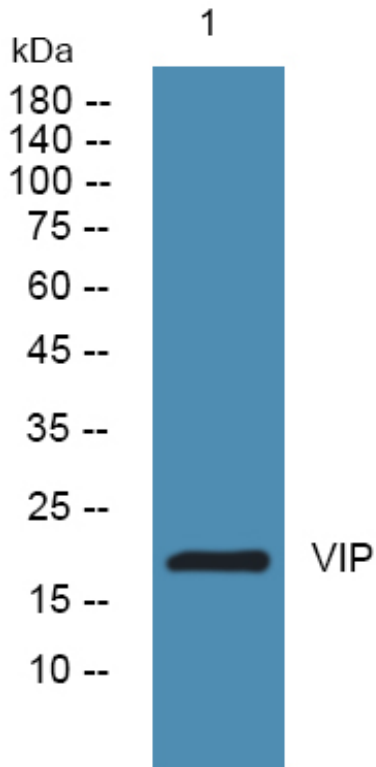
Immunohistochemistry analysis of VIP antibody in paraffin-embedded human testis tissue.

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Western blot analysis of lysates from PC12 cells,  
primary antibody was diluted at 1:1000, 4° over night