

## ARG46719 anti-VIP antibody

Package: 50 µl  
Store at: -20°C

### Summary

|                     |                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes VIP                                                                                     |
| Tested Reactivity   | Hu, Ms, Rat                                                                                                                   |
| Tested Application  | IHC-P, WB                                                                                                                     |
| Host                | Rabbit                                                                                                                        |
| Clonality           | Polyclonal                                                                                                                    |
| Isotype             | IgG                                                                                                                           |
| Target Name         | VIP                                                                                                                           |
| Conjugation         | Un-conjugated                                                                                                                 |
| Alternate Names     | Vasoactive intestinal polypeptide; PHM27; VIP peptides; Peptide histidine valine 42; VIP; Peptide histidine methioninamide 27 |

### Application Instructions

| Application table | Application                                                                                                                                | Dilution       |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                   | IHC-P                                                                                                                                      | 1:50 - 1:200   |
|                   | WB                                                                                                                                         | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |

### Properties

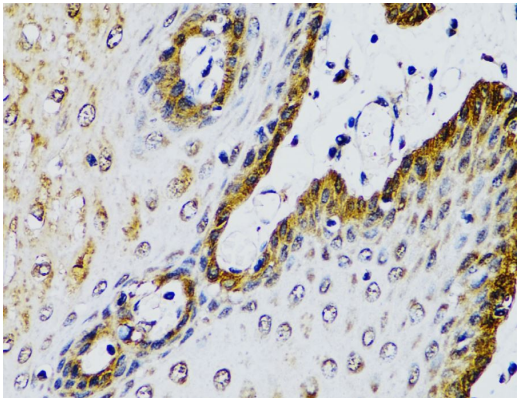
|                     |                                                                                                                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                                     |
| Purification        | Affinity chromatography purified                                                                                                                                                                                                                                                                                           |
| Buffer              | PBS, Sodium azide and 50% Glycerol                                                                                                                                                                                                                                                                                         |
| Preservative        | Sodium azide                                                                                                                                                                                                                                                                                                               |
| Stabilizer          | 50% Glycerol                                                                                                                                                                                                                                                                                                               |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                                                                                       |

### Bioinformation

|             |     |
|-------------|-----|
| Gene Symbol | VIP |
|-------------|-----|

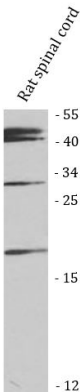
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Full Name        | vasoactive intestinal peptide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Background            | 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. [provided by RefSeq, Nov 2014] |
| Function              | VIP causes vasodilation, lowers arterial blood pressure, stimulates myocardial contractility, increases glycogenolysis and relaxes the smooth muscle of trachea, stomach and gall bladder.<br><br>PHM and PHV also cause vasodilation. PHM-27 is a potent agonist of the calcitonin receptor CALCR, with similar efficacy as calcitonin. [UniProt]                                                                                                                                                             |
| Calculated Mw         | 19 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cellular Localization | Secreted. [UniProt]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Images



ARG46719 anti-VIP antibody IHC-P image

Immunohistochemistry: Human Esophagus stained with ARG46719 anti-VIP antibody.



ARG46719 anti-VIP antibody WB image

Western blot: Rat spinal cord stained with ARG46719 anti-VIP antibody.