



BioVendor Laboratory Medicine, Inc.

## Regenerating Islet-Derived Protein 3 (REG3A/PAP1), Polyclonal Rabbit Anti-Human Antibody

### Product Data Sheet

|           |             |             |             |
|-----------|-------------|-------------|-------------|
| Cat. No.: | RP186218002 | RP186218010 | RP186218100 |
|           | 2µg         | 10µg        | 100µg       |

**Synonyms:** Regenerating islet-derived protein 3 alpha, Reg III-alpha, Pancreatitis-associated protein 1, REG3A, HIP, PAP, PAP1, REG3, INGAP, PAP-H, PBCGF, REG-III.

**Introduction:** Pancreatitis-associated protein (PAP) is a secretory protein not normally expressed in healthy pancreas but highly induced during acute pancreatitis. While PAP has been shown to be anti-bacterial and antiapoptotic in vitro, its definitive biological function in vivo is not clear. Using antiseptase oligonucleotides, inhibition of PAP expression significantly worsened pancreatitis in a rat model. During pancreatitis, PAP released by the pancreas could mediate lung inflammation through induction of hepatic TNF- alpha expression and subsequent increase in circulating TNF-alpha.

**Description:** The Antibody was raised in rabbits by immunization with the recombinant human REG3A. The amino acid sequence of the recombinant human REG3A is 100% homologous to the amino acid sequence of the human REG3A sequence. The immunization antigen is the 18.4 kDa protein containing 149 amino acid residues- His Tag.

**Type:** *Rabbit polyclonal antibody*

**Titer:** Defined by indirect ELISA, it is: >1: 100,000 for antibody concentration 1 mg/ml, 25 ng of antigen are coated per well, and is then defined at a point of maximal decrease of the titration curve.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation:** Sterile filtered and lyophilized from 1 mg/ml in 0.05M Phosphate buffer, 0.1M NaCl, pH-7.2.

### **Solubility:**

Add 0.1 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

### **Stability:**

Store lyophilized antibody at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

### **Usage:**

BioVendor's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.