

**• Rabbit Anti-VIP receptor 2/VPAC2 Polyclonal Antibody**

## Primary Antibodies

**Background:**

Growth Factor and Hormones

Pituitary adenylate cyclase-activating polypeptide (PACAP) is a neuropeptide belonging to the vasoactive intestinal polypeptide/glucagon/ secretin family. It is widely distributed in the body, and a variety of biological actions have been reported. Recent studies have shown that there is a family of PACAP receptors (PACAPRs), and two members of this family have been identified. Mouse PACAPR-3 is a protein of 437 amino acids that has 50% and 51% identity with rat PACAP type I and type II receptors, respectively. It binds to vasoactive intestinal polypeptide as well as PACAP-38 and -27, with a slightly higher affinity for PACAP-38. PACAPR-3 mRNA is expressed at high levels in MIN6, at moderate levels in pancreatic islets and other insulin-secreting cell lines, HIT-T15 and RINm5F, as well as in the lung, brain, stomach, and colon, and at low levels in the heart. PACAPR-3 participates in the regulation of insulin secretion. Insulin secretion from MIN6 cells is significantly stimulated by PACAP-38.

**Source/Purification:**

KLH conjugated synthetic peptide derived from human VIP receptor II. Was purified by Protein A and peptide affinity chromatography.

**Storage:** Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

**Reconstitution:**

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

**Size:** 100ul or 100ug lyophilized

**Concentration:** 1ug/uL

**Host:** Rabbit

**Reactivities:** Human, Mouse, Rat, Rabbit,

**Application:**

- WB(1:100-500)
- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- FACS(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications.  
Optimal working dilutions must be determined by the end user.

**Antibody Type:** Polyclonal

**Isotype:** IgG

**Molecular Weight:** 48kDa

**Preservatives:**

10ug/uL BSA and 0.1% NaN<sub>3</sub>.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.