

**ADCYAP1 Antibody (C-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP5668b

**Specification**

---

**ADCYAP1 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [P18509](#)  
Other Accession [NP\\_001093203.1](#)

**ADCYAP1 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 116

**Other Names**

Pituitary adenylate cyclase-activating polypeptide, PACAP, PACAP-related peptide, PRP-48, Pituitary adenylate cyclase-activating polypeptide 27, PACAP-27, PACAP27, Pituitary adenylate cyclase-activating polypeptide 38, PACAP-38, PACAP38, ADCYAP1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ADCYAP1 Antibody (C-term) Blocking peptide - Protein Information**

**Name** ADCYAP1

**Function**

Binding to its receptor activates G proteins and stimulates adenylate cyclase in pituitary cells. Promotes neuron projection development through the RAPGEF2/Rap1/B-Raf/ERK pathway. In chromaffin cells, induces long-lasting increase of intracellular calcium concentrations and neuroendocrine secretion (By similarity). Involved in the control of glucose homeostasis, induces insulin secretion by pancreatic beta cells (By similarity).

**Cellular Location**

Secreted.

**ADCYAP1 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **ADCYAP1 Antibody (C-term) Blocking peptide - Images**

### **ADCYAP1 Antibody (C-term) Blocking peptide - Background**

ADCYAP1 is adenylate cyclase activating polypeptide1. Mediated by adenylate cyclase activating polypeptide 1 receptors, this polypeptide stimulates adenylate cyclase and subsequently increases the cAMP level in target cells. Adenylate cyclase activating polypeptide 1 is not only a hypophysiotropic hormone, but also functions as a neurotransmitter and neuromodulator. In addition, it plays a role in paracrine and autocrine regulation of certain types of cells. This gene encodes three different mature peptides, including two isoforms, a shorter form and a longer form.

### **ADCYAP1 Antibody (C-term) Blocking peptide - References**

Hosoya, M., et al. *Biochim. Biophys. Acta* 1129(2):199-206(1992) Ohkubo, S., et al. *DNA Cell Biol.* 11(1):21-30(1992) Kimura, C., et al. *Biochem. Biophys. Res. Commun.* 166(1):81-89(1990)