

**PACAP Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2972a**

**Specification**

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**PACAP Antibody (C-Term) - Product Information**

|                   |                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------|
| Application       | WB                                                                                                              |
| Primary Accession | <a href="#">P18509</a>                                                                                          |
| Other Accession   | <a href="#">NP_001108.2</a> , <a href="#">116</a> , <a href="#">11516 (mouse)</a> , <a href="#">24166 (rat)</a> |
| Reactivity        | Human                                                                                                           |
| Predicted         | Mouse, Rat, Pig, Dog, Cow                                                                                       |
| Host              | Goat                                                                                                            |
| Clonality         | Polyclonal                                                                                                      |
| Concentration     | 0.5 mg/ml                                                                                                       |
| Isotype           | IgG                                                                                                             |
| Calculated MW     | 18835                                                                                                           |

**PACAP Antibody (C-Term) - 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**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PACAP Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PACAP Antibody (C-Term) - 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).

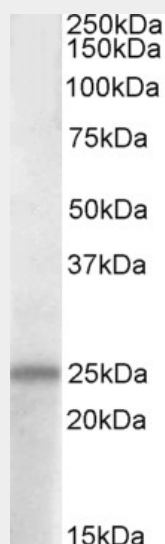
**Cellular Location**  
Secreted.

### **PACAP Antibody (C-Term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **PACAP Antibody (C-Term) - Images**



AF2972a (1 µg/ml) staining of Human Hippocampus lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **PACAP Antibody (C-Term) - Background**

Reported variants represent identical protein: NP\_001093203.1, NP\_001108.2.

### **PACAP Antibody (C-Term) - References**

Novel stable PACAP analogs with potent activity towards the PAC1 receptor. Bourgault S, Vaudry D, Botia B, Couvineau A, Laburthe M, Vaudry H, Fournier A. Peptides 2008 Jun 29 (6): 919-32. PMID: 18353507