



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09447 - Goat Anti-PACAP Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ADCYAP1, adenylate cyclase activating polypeptide 1 (pituitary), MGC126852, PACAP, OTTHUMP00000162201, adenylate cyclase activating polypeptide

**Official Symbol:** ADCYAP1

**Accession Number(s):** NP\_001108.2

**Human GeneID(s):** [116](#)

**Non-Human GeneID(s):** 11516 (mouse), 24166 (rat)

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

### Immunogen

Peptide with sequence C-GKRYKQRVKNGRR, from the C Terminus of the protein sequence according to NP\_001108.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:2000.

**Western blot:** Approx 25kDa band observed in Human Brain (Cerebral Cortex, Cerebellum and Hippocampus) lysates (calculated MW of 18.8kDa according to NP\_001108.2). This molecular weight is routinely observed by other sources.

Recommended concentration: 1-3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow, Pig



EB09447 (1 $\mu$ g/ml) staining of Human Hippocampus lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.