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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 GenelD(s): 11516 (mouse), 24166 (rat)

Important Comments: Reported variants represent identical protein: NP_001093203.1,

NP_001108.2.

Immunogen

Peptide with sequence C-GKRYKQRVKNKGRR, 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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

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.