

Product datasheet for **TA305626**

PACAP (ADCYAP1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1-3ug/ml.
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Dog, Cow, Pig)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-GKRYKQRVKNKGRR, from the C-Terminus of the protein sequence according to NP_001108.2.
Formulation:	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Concentration:	lot specific
Purification:	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 -20C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	adenylate cyclase activating polypeptide 1
Database Link:	NP_001093203 Entrez Gene 11516 MouseEntrez Gene 24166 RatEntrez Gene 607433 DogEntrez Gene 116 Human P18509



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Background:

This gene encodes adenylyl cyclase activating polypeptide 1. Mediated by adenylyl cyclase activating polypeptide 1 receptors, this polypeptide stimulates adenylyl cyclase and subsequently increases the cAMP level in target cells. Adenylyl 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. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Synonyms:

PACAP

Protein Families:

Secreted Protein

Product images:

TA305626 (1ug/ml) staining of Human Hippocampus lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.