

Product datasheet for **TA364386**

PACAP (ADCYAP1) Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against PACAP- 38. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human, Mouse, Porcine, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-His-Ser-Asp-Gly-Ile-Phe-Thr-Asp-Ser-Tyr-Ser-Arg- Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-Leu-Gly-Lys- Arg-Tyr-Lys-Gln-Arg-Val-Lys-Asn-Lys-NH ₂ coupled to carrier protein.
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	adenylate cyclase activating polypeptide 1
Database Link:	Entrez Gene 116 Human P18509



[View online »](#)

Background:

Pituitary adenylate cyclase-activating polypeptide (PACAP) and Vasoactive Intestinal Peptide (VIP), as well as the three classes of G-protein-coupled receptors mediating their effects, are widely distributed in the central nervous system (CNS) and peripheral tissues. These peptides are reported to have many physiological or pharmacological effects in different tissues. Particularly important are their roles in glucose metabolism and on islets; their anti-inflammatory, cytoprotective effects, their CNS neuroprotective effects, and their possible roles in diseases such as schizophrenia and chronic depression. PACAP-38 is a neuropeptide that serves as a neuronal survival factor and it has a greater potency for stimulation of adenylyl cyclase. This antibody was generated by immunization of guinea pigs with PACAP-38 coupled to a carrier protein.

Synonyms:

MGC126852; OTTHUMP00000162201; PACAP