

Product datasheet for **TA364170**

PACAP (ADCYAP1) Rabbit 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, Chicken, Mouse, Porcine, Rat
Host:	Rabbit
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:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
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
Background:	Pituitary Adenylate Cyclase-Activating Polypeptide-38, also known as PACAP-38, is a 38 amino acid neuropeptide that has substantial sequence homology (68%) to vasoactive intestinal peptide (VIP). It derives from a 176-amino acid precursor (preproPACAP), and it was discovered as an ovine hypothalamic neuropeptide. PACAP-38 is reported to serve as a neuronal survival factor and it has a greater potency for stimulation of adenylyl cyclase. Also, it stimulates insulin secretion from islets in a glucose-dependent manner at femtomolar concentrations, acting as an insulinotropic factor. This antibody was generated by immunization of rabbits with PACAP-38 coupled to a carrier protein.



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Synonyms: MGC126852; OTTHUMP00000162201; PACAP