

Human pituitary adenylate cyclase activating polypeptide, PACAP ELISA Kit | PACAP elisa kit

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CATALOG # AAA11108	REACTIVITY Human
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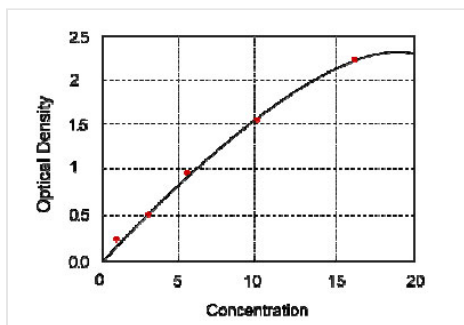
PRODUCT SYNONYMS

pituitary adenylate cyclase activating polypeptide; PACAP; Human pituitary adenylate cyclase activating polypeptide; PACAP ELISA Kit; PACAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	176
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	0.3-90ng/ml
Sensitivity	0.14ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PACAP elisa kit	Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human PACAP antibody. PACAP present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human PACAP Antibody is added and binds to PACAP in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated PACAP antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human PACAP. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. Intended Uses: This sandwich kit is for the accurate quantitative detection of Human pituitary adenylate cyclase activating polypeptide (also known as PACAP) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.
References	Pituitary adenylate cyclase-activating polypeptide is reduced in Alzheimer disease. Pengcheng Han, MD, PhD, Winnie Liang, PhD, Leslie C. Baxter, PhD, Junxiang Yin, MD, PhD, Zhiwei Tang, MD, PhD, Thomas G. Beach, MD, Richard J. Caselli, MD, Eric M. Reiman, MD and Jiong Shi, MD, PhD (2014) Pituitary adenylate cyclase-activating polypeptide protects against β-amyloid toxicity. Pengcheng Han, Zhiwei Tang, Junxiang Yin, Marwan Maalouf, Thomas G. Beach, Eric M. Reiman, Jiong Shi (2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	245806
NCBI GeneID	116
UniProt Accession #	P18509; Q52LQ0; B2R7N4
Molecular Weight	18,835 Da
NCBI Official Full Name	pituitary adenylate cyclase activating polypeptide
NCBI Official Synonym Full Names	adenylate cyclase activating polypeptide 1
NCBI Official Symbol	ADCYAP1
NCBI Official Synonym Symbols	PACAP
NCBI Protein Information	pituitary adenylate cyclase-activating polypeptide
UniProt Protein Name	Pituitary adenylate cyclase-activating polypeptide
UniProt Gene Name	ADCYAP1
UniProt Synonym Gene Names	PACAP; PACAP-27; PACAP27; PACAP-38; PACAP38

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/pituitary-adenylate-cyclase-activating-polypeptide-pacap/11108>