

Rat Pituitary adenylate cyclase activating polypeptide ELISA Kit | PACAP elisa kit

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CATALOG #
AAA16068

REACTIVITY
Rat

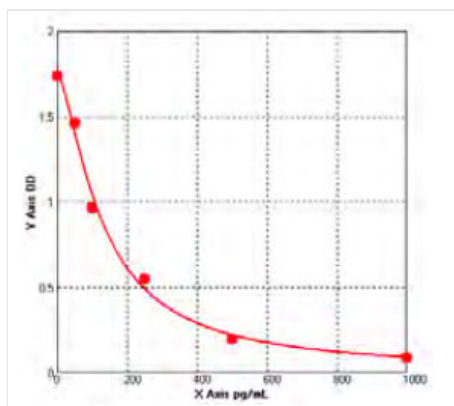
PRODUCT SYNONYMS

Pituitary adenylate cyclase activating polypeptide; Rat Pituitary adenylate cyclase activating polypeptide ELISA Kit; PACAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PACAP. No significant cross-reactivity or interference between PACAP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PACAP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PACAP elisa kit	Principle of the Assay: PACAP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PACAP antibody and an PACAP-HRP conjugate. The assay sample and buffer are incubated together with PACAP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PACAP concentration since PACAP from samples and PACAP-HRP conjugate compete for the anti-PACAP antibody binding site. Since the number of sites is limited, as more sites are occupied by PACAP from the sample, fewer sites are left to bind PACAP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PACAP concentration in each sample is interpolated from this standard curve. Intended Uses: This PACAP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PACAP. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for PACAP elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

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

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://stage.aaabiotech.com/pacap-rat-elisa-kits/pituitary-adenylate-cyclase-activating-polypeptide/16068>