

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

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CATALOG #
AAA82477

REACTIVITY
Rabbit

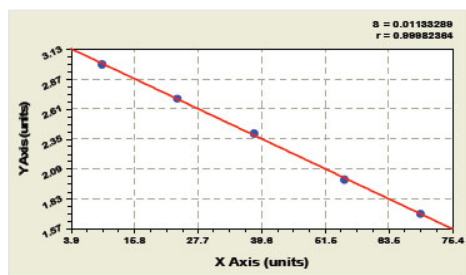
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This PACAP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit PACAP. This ELISA kit for research use only, not for therapeutic applications!
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 monoclonal 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.

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-rabbit-elisa-kits/pituitary-adenylate-cyclase-activating-polypeptide/82477>