

Rat PACAP-27 ELISA Kit | PACAP-27 elisa kit

Rat PACAP-27 (Pituitary Adenylate Cyclase Activating Polypeptide 27) ELISA Kit

CATALOG #
AAA165286

REACTIVITY
Rat

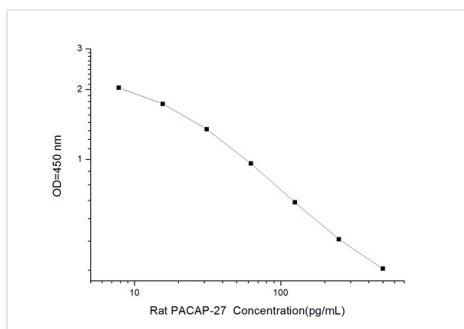
PRODUCT SYNONYMS

PACAP-27; Rat PACAP-27 (Pituitary Adenylate Cyclase Activating Polypeptide 27) ELISA Kit; PACAP-27 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat PACAP-27. No significant cross-reactivity or interference between Rat PACAP-27 and analogues was observed.
Sequence Length	447
Samples	Serum, Plasma, Biological Fluids
Assay Type	Competitive
Detection Range	7.813-500pg/mL
Sensitivity	Min: 4.688pg/mL; Max: 500pg/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PACAP-27 elisa kit

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat PACAP-27 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with PACAP-27. During the reaction, PACAP-27 in the sample or standard competes with a fixed amount of PACAP-27 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to PACAP-27. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PACAP-27 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	313851023
NCBI GeneID	117
NCBI Accession #	NP_001186566.1
NCBI GenBank Nucleotide #	NM_001199637.1
UniProt Accession #	P41586; Q17S10; A8K1Y1; B7ZLA7; B8ZZK3
Molecular Weight	46,957 Da
NCBI Official Full Name	pituitary adenylate cyclase-activating polypeptide type I receptor isoform 4
NCBI Official Synonym Full Names	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I
NCBI Official Symbol	ADCYAP1R1
NCBI Official Synonym Symbols	PAC1; PAC1R; PACAPR; PACAPRI
NCBI Protein Information	pituitary adenylate cyclase-activating polypeptide type I receptor; PACAP receptor 1; PACAP type I receptor; PACAP-R1; pituitary adenylate cyclase activating polypeptide 1 receptor type I Hiphop
UniProt Protein Name	Pituitary adenylate cyclase-activating polypeptide type I receptor
UniProt Gene Name	ADCYAP1R1
UniProt Synonym Gene Names	PACAP type I receptor; PACAP-R-1; PACAP-R1
UniProt Entry Name	PACR_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/rat-elisa-kits/pacap-27/165286>