

Human Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) ELISA Kit | PACAP elisa kit

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CATALOG #
AAA331122

REACTIVITY
Human

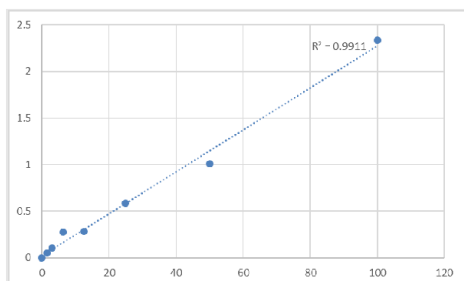
PRODUCT SYNONYMS

Pituitary Adenylate Cyclase Activating Polypeptide (PACAP); Human Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) ELISA Kit; ADCYAP1; MGC126852; PACAP; OTTHUMP00000162201; adenylate cyclase activating polypeptide; PACAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pituitary adenylate cyclase activating polypeptide (PACAP) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADCYAP1. No significant cross-reactivity or interference between Human ADCYAP1 and analogues was observed.
Sequence Length	176
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Pituitary adenylate cyclase activating polypeptide (PACAP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PACAP elisa kit	Description: This Human Pituitary adenylate cyclase activating polypeptide (PACAP) ELISA Kit employs a two-site sandwich ELISA to quantitate ADCYAP1 in samples. An antibody specific for ADCYAP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADCYAP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADCYAP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADCYAP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Pituitary adenylate cyclase-activating peptide, adenylate cyclase-activating polypeptide 1. Mediated by adenylate cyclase-activating polypeptide 1 receptors, this polypeptide stimulates adenylate cyclase and subsequently increases the cAMP level in target cells. Adenylate cyclase-activating polypeptide 1 not only is a hypophysiotropic hormone but also functions as a neurotransmitter and neuromodulator. In addition, it plays a role in paracrine and autocrine regulation of certain types of cells. This gene is composed of five exons. Exons 1 and 2 encode the 5' UTR and signal peptide, respectively; exon 4 encodes an adenylate cyclase-activating polypeptide 1-related peptide; and exon 5 encodes the mature peptide and 3' UTR.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1132550
NCBI GeneID	116
UniProt Accession #	P18509
NCBI Official Full Name	PACAP
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
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/human-elisa-kits/pituitary-adenylate-cyclase-activating-polypeptide-pacap/331122>