

Datasheet for ABIN113928 **anti-PACAP antibody**



[Go to Product page](#)

Overview

Quantity:	1 mL
Target:	PACAP (ADCYAP1)
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This PACAP antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA), Radioimmunoassay (RIA)

Product Details

Immunogen:	Proprietary, 14 amino acid peptide sequence of PACAP-38, conjugated to KLH.
Isotype:	IgG
Specificity:	This antibody recognizes PACAP-38 and has the following cross reactivities (All tested in simple ELISA assay): PACAP-38: 100 % PACAP Immunogen: 75 % PACAP-27: 22 % PACAP Related Peptide: 9 % VIP: 2 %.
Purification:	Affinity Chromatography on Protein G

Target Details

Target:	PACAP (ADCYAP1)
Alternative Name:	ADCYAP1 / PACAP (ADCYAP1 Products)
Background:	PACAP receptor (pituitary adenylate cyclase activating polypeptide type 1 receptor) is a receptor for PACAP 27 and PACAP 38. It is a G protein coupled receptor (GPCR) that may

Target Details

	regulate the release of adrenocorticotropin, luteinising hormone, growth hormone, prolactin, epinephrine, and catecholamine. PACAP receptor may play a role in spermatogenesis and sperm motility and also causes smooth muscle relaxation and secretion in the gastrointestinal tract.Synonyms: Pituitary adenylate cyclase-activating polypeptide
Gene ID:	116
NCBI Accession:	NP_001093203
UniProt:	P18509
Pathways:	Neurotrophin Signaling Pathway , Positive Regulation of Peptide Hormone Secretion , Hormone Activity , cAMP Metabolic Process , Synaptic Membrane , Production of Molecular Mediator of Immune Response , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	ELISA. Radioimmunoassay (1/60). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	5.0 mg/mL
Buffer:	PBS containing 0.09 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.