

Rabbit ADCYAP1 Polyclonal Antibody | anti-ADCYAP1 antibody

ADCYAP1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284655	Rabbit	Human (Predicted Reactivity: Mouse, Pig, Rat)	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

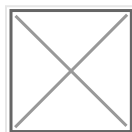
PRODUCT SYNONYMS

ADCYAP1; Polyclonal Antibody; ADCYAP1 Antibody (C-term); Pituitary adenylate cyclase-activating polypeptide; PACAP; PACAP-related peptide; PRP-48; Pituitary adenylate cyclase-activating polypeptide 27; PACAP-27; PACAP27; Pituitary adenylate cyclase-activating polypeptide 38; PACAP-38; PACAP38; anti-ADCYAP1 antibody

PRODUCT SPECIFICATIONS

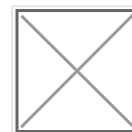
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ADCYAP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 148-176 amino acids from the C-terminal region of human ADCYAP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.44 (varies by lot)
Sequence Positions	148-176
Sequence Length	176
Applicable Applications for anti-ADCYAP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

ADCYAP1 Antibody (C-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of ADCYAP1 Antibody (C-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

ADCYAP1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ADCYAP1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

ADCYAP1 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the ADCYAP1 antibody detected the ADCYAP1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ADCYAP1 antibody	ADCYAP1 is 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 is not only 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 encodes three different mature peptides, including two isoforms, a shorter form and a longer form.
Product Categories/Family for anti-ADCYAP1 antibody	Neuroscience
References	Hosoya, M., et al. Biochim. Biophys. Acta 1129(2):199-206(1992) Ohkubo, S., et al. DNA Cell Biol. 11(1):21-30(1992) Kimura, C., et al. Biochem. Biophys. Res. Commun. 166(1):81-89(1990)

NCBI AND UNIPROT INFORMATION

NCBI GI #	153266792
NCBI GeneID	116
NCBI Accession #	NP_001093203.1; NP_001108.2
NCBI GenBank Nucleotide #	NM_001099733.1
UniProt Accession #	P18509; Q52LQ0; B2R7N4
Molecular Weight	18835
NCBI Official Full Name	pituitary adenylate cyclase-activating polypeptide preproprotein
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
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.

