

Rabbit ADCYAP1R1 Polyclonal Antibody | anti-ADCYAP1R1 antibody

ADCYAP1R1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326920	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ADCYAP1R1; Polyclonal Antibody; ADCYAP1R1 Antibody; ADCYAP1 R1; ADCYAP1R 1; Adenylate cyclase activating polypeptide 1 (pituitary) receptor type 1; Adenylate cyclase activating polypeptide 1 (pituitary) receptor type I; PAC 1; PAC1; PAC1R; PACAP receptor 1; PACAP type I receptor; PACAP-R-1; PACAP-R1; PACAP1 R; PACAPR; PACAPRI; PACR_HUMAN; Pituitary adenylate cyclase activating polypeptide 1 receptor type I Hiphop; Pituitary adenylate cyclase activating polypeptide receptor; Pituitary adenylate cyclase activating polypeptide type I receptor precursor; Pituitary adenylate cyclase-activating polypeptide 1; receptor for; Pituitary adenylate cyclase-activating polypeptide type I receptor; pvr1; anti-ADCYAP1R1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ADCYAP1R1 antibody detects endogenous levels of total ADCYAP1R1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	468
Applicable Applications for anti-ADCYAP1R1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human ADCYAP1R1
Subcellular Location	Cell Membrane
Tissue Specificity	Most abundant in the brain, low expression in the lung, liver, thymus, spleen, pancreas and placenta.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (94%), Sheep (100%), Rabbit (94%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using ADCYAP1R1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326920 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ADCYAP1R1 antibody	Description: This gene encodes type I adenylate cyclase activating polypeptide receptor, which is a membrane-associated protein and shares significant homology with members of the glucagon/secretin receptor family. This receptor mediates diverse biological actions of adenylate cyclase activating polypeptide 1 and is positively coupled to adenylate cyclase. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified. Function: This is a receptor for PACAP-27 and PACAP-38. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. May regulate the release of adrenocorticotropin, luteinizing hormone, growth hormone, prolactin, epinephrine, and catecholamine. May play a role in spermatogenesis and sperm motility. Causes smooth muscle relaxation and secretion in the gastrointestinal tract. Subunit Structure: Interacts (via N-terminal extracellular domain) with ADCYAP1. Similarity: Belongs to the G-protein coupled receptor 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29171759
NCBI GeneID	117
NCBI Accession #	NP_001109.2
NCBI GenBank Nucleotide #	NM_001118.4
UniProt Accession #	P41586; Q17S10; A8K1Y1; B7ZLA7; B8ZZK3
Molecular Weight	Observed: 53 kDa Predicted: 54 kDa
NCBI Official Full Name	pituitary adenylate cyclase-activating polypeptide type I receptor isoform 3
NCBI Official Synonym Full Names	ADCYAP 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
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

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.