

## Rabbit ADCYAP1R1 / PAC1 Receptor Polyclonal Antibody | anti-ADCYAP1R1 antibody

Rabbit Polyclonal to Human ADCYAP1R1 / PAC1 Receptor

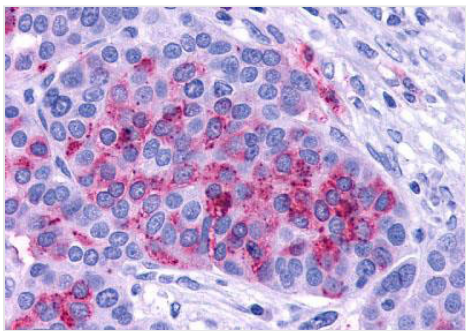
| CATALOG # | HOST   | REACTIVITY                                                                                                                               | APPLICATIONS         |
|-----------|--------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| AAA52007  | Rabbit | Bat, Gibbon, Chicken, Dog, Xenopus, Gorilla, Human, Monkey<br>Predicted Reactivity: Zebrafish (at least 90% immunogen sequence identity) | Immunohistochemistry |

### PRODUCT SYNONYMS

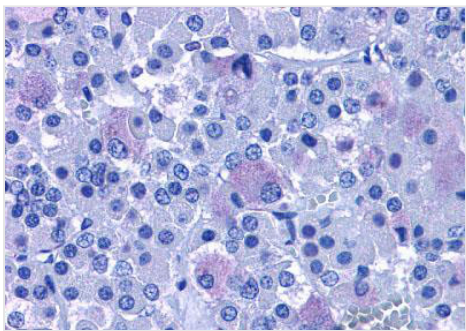
ADCYAP1R1 / PAC1 Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human ADCYAP1R1 / PAC1 Receptor; Anti-ADCYAP1R1 / PAC1 Receptor Antibody (C-Terminus) IHC-plus; PAC1; Pac1 receptor; Pac1 receptors; PAC1-R; PACAP receptor 1; Pacap specific receptor; PACAP-R-1; PACAP/VIP receptors; PACAP1 receptor; PACAP Receptor; Pacap receptor type 1; Pacap type 1 receptor; PACAP type I receptor; PACAPR; PAC1R; Human ADCYAP1R1; PAC1 Receptor; anti-ADCYAP1R1 antibody

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                                                                                                                                                                                                                                                                                                                          |
| Reactivity                                          | Bat, Gibbon, Chicken, Dog, Xenopus, Gorilla, Human, Monkey<br><b>Predicted Reactivity:</b> Zebrafish (at least 90% immunogen sequence identity)                                                                                                                                                                                                                                 |
| Clonality                                           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity                                         | Human ADCYAP1R1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.                                                                                                                                                                                                                                                                          |
| Purity/Purification                                 | Immunoaffinity Purified                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format                                         | PBS, 0.1% sodium azide.                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                       | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Length                                     | 468                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-ADCYAP1R1 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                      |
| Target Species                                      | Human                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen Description                               | Synthetic 17 amino acid peptide from C-terminus of human ADCYAP1R1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Dog, Bat, Chicken, Lizard, Xenopus (100%).                                                                                                                                                          |
| Immunogen Type                                      | Synthetic peptide                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                                           | ADCYAP1R1 / PAC1 Receptor antibody was raised against synthetic 17 amino acid peptide from C-terminus of human ADCYAP1R1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Dog, Bat, Chicken, Lizard, Xenopus (100%); Stickleback, Pufferfish, Zebrafish (94%); Mouse, Rat, Hamster, Elephant, Bovine, Horse, Pig (88%). |
| Antigen Modification                                | C-Terminus                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                             | Long term: -70 degree C; Short term: +4 degree C                                                                                                                                                                                                                                                                                                                                |



IHC (Immunohistochemistry)  
Anti-ADCYAP1R1 / PAC1 Receptor antibody IHC of human Ovary, Carcinoma.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)  
Anti-ADCYAP1R1 antibody IHC of human brain, pituitary. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ADCYAP1R1 antibody | The PACAP receptor type 1, a member of the vasoactive intestinal polypeptide subfamily, binds the hormone pituitary adenylate cyclase activating polypeptide (PACAP) with high affinity. PACAP is involved in stimulating the secretion of insulin, catecholamines, ACTH, and growth hormone. Additionally, PACAP appears to function as a neuromodulator/neurotransmitter in the central and peripheral nervous systems. |
| Product Categories/Family for anti-ADCYAP1R1 antibody   | Family: GPCR; Subfamily: Vasoactive intestinal polypeptide                                                                                                                                                                                                                                                                                                                                                                |

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                 | 46,957 Da                                                                                                                                                                                          |
| NCBI Official Full Name          | pituitary adenylate cyclase-activating polypeptide type I receptor isoform 3                                                                                                                       |
| 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-R1; PACAP receptor 1; PACAP type I receptor; 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.