

Datasheet for ABIN1048299
anti-ADCYAP1R1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	50 µg
Target:	ADCYAP1R1
Binding Specificity:	C-Term
Reactivity:	Human, Dog, Monkey, Bat, Chicken, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCYAP1R1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	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%). Type of Immunogen: Synthetic peptide
Specificity:	Human ADCYAP1R1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Dog, Bat, Chicken, Lizard, Xenopus (100%) Stickleback, Pufferfish, Zebrafish

Product Details

(94%) Mouse, Rat, Hamster, Elephant, Bovine, Horse, Pig (88%).

Purification: Immunoaffinity purified

Target Details

Target: ADCYAP1R1

Alternative Name: ADCYAP1R1 / PAC1 Receptor ([ADCYAP1R1 Products](#))

Background: Name/Gene ID: ADCYAP1R1
Subfamily: Vasoactive intestinal polypeptide
Family: GPCR

Synonyms: ADCYAP1R1, 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, PACAP-R1, PACAPRI, Pvr1, Pacap receptor type i

Gene ID: 117

Pathways: [Neurotrophin Signaling Pathway](#), [cAMP Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: Approved: IHC, IHC-P (15 µg/mL)

Comment: Target Species of Antibody: Human

Assay Procedure: **The IHC-pro Immunohistochemistry Protocol**

Tissue Preparation

Formalin fixation and embedding in paraffin wax

Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

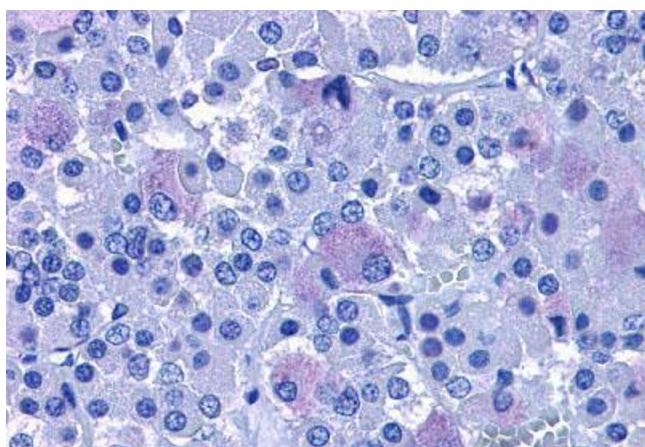
Restrictions:

For Research Use only

Handling

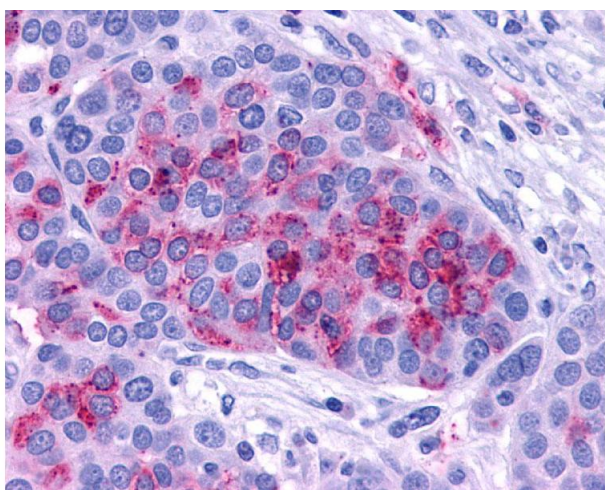
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-ADCYAP1R1 antibody ABIN1048299 IHC staining of human brain, pituitary. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-ADCYAP1R1 / PAC1 Receptor antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.