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Datasheet for ABIN1048297 anti-ADCYAP1R1 antibody (N-Term)

3 Images



Overview

Quantity:	50 µg
Target:	ADCYAP1R1
Binding Specificity:	N-Term
Reactivity:	Human, Cow, Monkey
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 18 amino acid peptide from N-terminal extracellular domain of human ADCYAP1R1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Marmoset, Bovine (100%), Dog, Pig (94%), Mouse, Rat, Elephant, Panda (89%).
	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, Marmoset, Bovine (100%) Dog, Pig (94%) Mouse, Rat, Elephant, Panda (89%).
Purification:	Immunoaffinity purified

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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 Recepto
	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 (5 µg/mL)
	Usage: Antigen retrieval requires Proteinase K treatment.
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.

Target Details

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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.

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

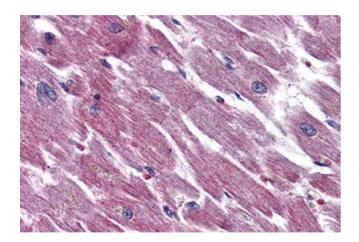
Format:	Liquid
Concentration:	Lot specific

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Handling

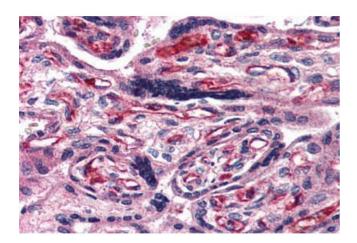
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to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

Images



Immunohistochemistry

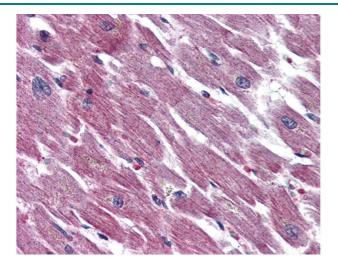
Image 1. Anti-ADCYAP1R1 antibody ABIN1048297 IHC staining of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-ADCYAP1R1 antibody ABIN1048297 IHC staining of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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Immunohistochemistry

Image 3. Anti-ADCYAP1R1 antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.

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