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Datasheet for ABIN122519

## anti-ADCYAP1R1 antibody (N-Term)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	ADCYAP1R1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCYAP1R1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	Synthetic peptide - KLH conjugated
Specificity:	Reacts with PACAP Receptor Type 1 (Family: GPCR, subfamily: Vasoactive intestinal polypeptide)
Purification:	Peptide immunogen affinity column

#### Target Details

Target:	ADCYAP1R1
Alternative Name:	PACAP Type I Receptor ( <a href="#">ADCYAP1R1 Products</a> )
Background:	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

## Target Details

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hormone. Additionally, PACAP appears to function as a neuromodulator/ neurotransmitter in the central and peripheral nervous systems. Two start codons are reported in literature, one (nt 74-76) results in a 525-amino acid protein with a signal peptide of 77 amino acids encoded by nt 74-304 and the second (nt 245-247) initiates a 468-amino acid protein with a signal peptide of 20-amino acids encoded by nt 245-304. The efficiency of these two start codons is not known. PACAP receptor type 1 expression has been documented in adipose, adrenal, bone, brain, colon, ganglion, heart, lung, ovary, pancreas, placenta, spleen, and uterus. ESTs have been isolated from brain and nerve libraries. Synonyms: ADCYAP1R1, Pituitary adenylate cyclase-activating polypeptide type I receptor

Gene ID: 117

UniProt: [P41586](#)

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

## Application Details

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Application Notes: Immunohistochemistry with formalin fixed paraffin embedded tissues: 7 µg/mL Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0, at 99-100 °C for 20 min. Remove from heat and let stand at room temperature in buffer for 20 min. Rinse in 1x TBS with Tween (TBST) for 1 min. at room temperature.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user. Further Comments: This product was originally produced by MBL International.

Restrictions: For Research Use only

## Handling

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Concentration: 1.0 mg/mL

Buffer: PBS containing 0.09 % Sodium Azide as preservative

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: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C to -70 °C

## Handling

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for longer. Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

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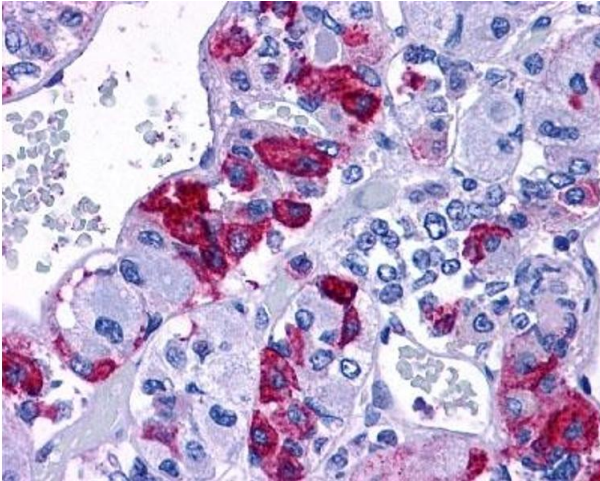
Expiry Date:

12 months

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## Images

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### Immunohistochemistry

**Image 1.** Immunohistochemical staining of Brain (Pituitary) using anti- ADCYAP1R1 antibody ABIN122519