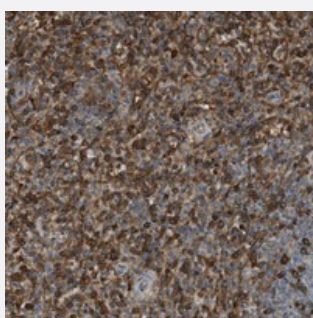


# ADCY10 polyclonal antibody

Catalog # PAB20803      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human spleen with ADCY10 polyclonal antibody (Cat # PAB20803) shows strong cytoplasmic positivity in cells of red pulp at 1:50-1:200 dilution.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against recombinant ADCY10.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids of human ADCY10.
<b>Sequence</b>	NLENLVAQNTTGPVFCPRLYHLMAYVCILMGDQKCGFLNTALRLSETQGNILEKWCWLNMNKES WYSTSELKEDQWLQTILSLPSW
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

**Storage Instruction**

Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — ADCY10

**Entrez GeneID**[55811](#)**Protein Accession#**[Q96PN6](#)**Gene Name**

ADCY10

**Gene Alias**

HCA2, RP1-313L4.2, SAC, SACI, Sacy

**Gene Description**

adenylate cyclase 10 (soluble)

**Omim ID**[143870 605205](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene belongs to a distinct class of mammalian adenylyl cyclase that is soluble and insensitive to G protein or forskolin regulation. It is localized in the cytoplasm and is thought to function as a general bicarbonate sensor throughout the body. It may also play an important role in the generation of cAMP in spermatozoa, implying possible roles in sperm maturation through the epididymis, capacitation, hypermotility, and/or the acrosome reaction. [provided by RefSeq]

**Other Designations**

3',5'-cyclic AMP synthetase|AH-related protein|ATP pyrophosphatase|Hypercalciuria, absorptive, 2|OTTHUMP00000032525|soluble adenylyl cyclase|testicular soluble adenylyl cyclase (SAC)

## Pathway

- [Purine metabolism](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)