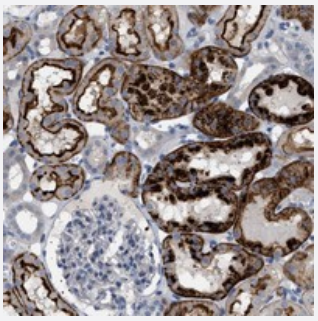
ADCY10 polyclonal antibody

Catalog # PAB20962 Size 100 uL

Applications



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

Immunohistochemical staining of human kidney with ADCY10 polyclonal antibody (Cat # PAB20962) shows strong positivity in tubuli at 1:20-1:50 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant ADCY10.
Immunogen	Recombinant protein corresponding to amino acids of human ADCY10.
Sequence	RNTTYIVIGAVQPNDISNKICLDLNVSCISKELDSYLGEGSCGIPFYCEELLKNLEHHEVLVFQQTES EEKTNRTWNNLFKYSIKLTEKLNMVTLHSDKESEEVCHLTSGVRLKNLSPPTSLKEISLI
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	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 shoul d be handled by trained staff only.

Applications

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

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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 i s soluble and insensitive to G protein or forskolin regulation. It is localized in the cytoplasm and is t hought to function as a general bicarbonate sensor throughout the body. It may also play an import ant role in the generation of cAMP in spermatozoa, implying possible roles in sperm maturation th rough the epididymis, capacitation, hypermotility, and/or the acrosome reaction. [provided by Ref Seq
Other Designations	3',5'-cyclic AMP synthetase|AH-related protein|ATP pyrophosphate-lyase|Hypercalciuria, absorpti ve, 2|OTTHUMP00000032525|soluble adenylyl cyclase|testicular soluble adenylyl cyclase (SAC)

Pathway

- Purine metabolism

Disease

- Genetic Predisposition to Disease
- Hypertension
- Osteoporosis
- Tobacco Use Disorder