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Datasheet for ABIN751102

## anti-ADCY10 antibody (AA 1101-1200) (HRP)

### Overview

Quantity:	100 µL
Target:	ADCY10
Binding Specificity:	AA 1101-1200
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCY10 antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ADCY10
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	ADCY10
Alternative Name:	ADCY10 ( <a href="#">ADCY10 Products</a> )

## Target Details

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Background: Synonyms: SAC, HCA2, SAC1, Sacy, hsAC, Adenylate cyclase type 10, AH-related protein, Adenylate cyclase homolog, Germ cell soluble adenylyl cyclase, Testicular soluble adenylyl cyclase, ADCY10

Background: Soluble adenylyl cyclase that has a critical role in mammalian spermatogenesis. Produces the cAMP which mediates in part the cAMP-responsive nuclear factors indispensable for maturation of sperm in the epididymis. Induces capacitation, the maturational process that sperm undergo prior to fertilization. May be the bicarbonate sensor. Involved in ciliary beat regulation.

Gene ID: 55811

UniProt: [Q96PN6](#)

Pathways: [cAMP Metabolic Process](#)

## Application Details

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Application Notes: IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months