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Datasheet for ABIN2782970

anti-ADCY10 antibody (N-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	ADCY10
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Rabbit, Dog, Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCY10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SAC
Sequence:	VGHTVRHEYT VIGQKVNLA RMMMYYPGIV TCDSVTYNGS NLPAYFFKEL
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SAC. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ADCY10
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Target Details

Alternative Name: SAC ([ADCY10 Products](#))

Background: SAC 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: HCA2, RP1-313L4.2, SACI, SAC, Sacy

Protein Interaction Partner: PTGIR, SSTR5,

Protein Size: 1610

Molecular Weight: 187 kDa

Gene ID: 55811

NCBI Accession: [NM_018417](#), [NP_060887](#)

UniProt: [Q96PN6](#)

Pathways: [cAMP Metabolic Process](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 1610 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

sucrose.

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze-thaw cycles.

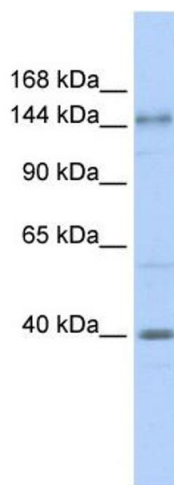
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Podbielski, Rodriguez, Zhu, Worley, Fontaine, Connolly: "Aortoesophageal fistula secondary to reflux esophagitis." in: **Digestive surgery**, Vol. 24, Issue 1, pp. 66-7, (2007) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-SAC Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain