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## Datasheet for ABIN7143337 **anti-ADCY6 antibody (AA 9-118) (HRP)**

### Overview

Quantity:	100 µg
Target:	ADCY6
Binding Specificity:	AA 9-118
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCY6 antibody is conjugated to HRP
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Adenylate cyclase type 6 protein (9-118AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	ADCY6
Alternative Name:	ADCY6 ( <a href="#">ADCY6 Products</a> )
Background:	Background: Catalyzes the formation of the signaling molecule cAMP downstream of G protein-coupled receptors (PubMed:17916776, PubMed:17110384). Functions in signaling cascades

## Target Details

downstream of beta-adrenergic receptors in the heart and in vascular smooth muscle cells (PubMed:17916776). Functions in signaling cascades downstream of the vasopressin receptor in the kidney and has a role in renal water reabsorption. Functions in signaling cascades downstream of PTH1R and plays a role in regulating renal phosphate excretion. Functions in signaling cascades downstream of the VIP and SCT receptors in pancreas and contributes to the regulation of pancreatic amylase and fluid secretion (By similarity). Signaling mediates cAMP-dependent activation of protein kinase PKA. This promotes increased phosphorylation of various proteins, including AKT. Plays a role in regulating cardiac sarcoplasmic reticulum Ca(2+) uptake and storage, and is required for normal heart ventricular contractibility. May contribute to normal heart function (By similarity). Mediates vasodilatation after activation of beta-adrenergic receptors by isoproterenol (PubMed:17916776). Contributes to bone cell responses to mechanical stimuli (By similarity).

Aliases: AC6 antibody, ACVI antibody, ADCY 6 antibody, Adcy6 antibody, ADCY6\_HUMAN antibody, ADCYB antibody, Adenylate cyclase 6 antibody, Adenylate cyclase type 6 antibody, Adenylate cyclase type VI antibody, Adenylyl cyclase 6 antibody, ATP pyrophosphate lyase 6 antibody, ATP pyrophosphate-lyase 6 antibody, Ca(2+) inhibitable adenylyl cyclase antibody, Ca(2+)-inhibitable adenylyl cyclase antibody, DKFZp779F075 antibody, EC 4.6.1.1 antibody, KIAA0422 antibody

UniProt: [O43306](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Thyroid Hormone Synthesis](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#)

## Application Details

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

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

## Handling

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handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.