

## Anti-Adenylate cyclase type 2 ADCY2 Antibody

Catalog Number: A06978

### About ADCY2

Required for maintaining the proliferative activity of embryonic cardiomyocytes by preventing premature activation of the negative cell cycle regulator CDKN1C/p57KIP and maintaining the required expression levels of cardiogenic factors such as MEF2C and NKX2-5. Acts as a ligand for ACVRL1/ALK1, BMPR1A/ALK3 and BMPR1B/ALK6, leading to activation of SMAD1, SMAD5 and SMAD8 transcription factors. Inhibits endothelial cell migration and growth. May reduce cell migration and cell matrix adhesion in breast cancer cell lines.

Celeste A.J., Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.

Hillier L.W., Nature 434:724-731(2005).

Mazerbourg S., J. Biol. Chem. 280:32122-32132(2005).

### Overview

Product Name	Anti-Adenylate cyclase type 2 ADCY2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Adenylate cyclase type 2 ADCY2 Antibody catalog # A06978. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q08462

### Technical Details

Immunogen	Synthesized peptide derived from human ADCY2 protein.
Predicted Reactive Species	Chimpanzee, Drosophila, Macaque
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ADCY2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using

	epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used: WB 1:500-2000 ELISA 1:5000-20000</p>

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