

Datasheet for ABIN7072669

Recombinant anti-beta 2 Adrenergic Receptor antibody



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1 Image

Overview

Quantity:	200 µg
Target:	beta 2 Adrenergic Receptor (ADRB2)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This beta 2 Adrenergic Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Purpose:	Anti-Beta 2 adrenergic receptor [R11/E1], Rabbit IgG, kappa
Immunogen:	This antibody was raised by immunizing mice with beta-2 adrenergic receptor.
Clone:	R11-E1
Isotype:	IgG kappa
Specificity:	R11/E1 antibody recognizes human beta-2 adrenergic receptor. Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. The beta-2-adrenergic receptor binds adrenaline with far greater affinity than noradrenaline.
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1

Product Details

Purification: Protein A affinity purified

Target Details

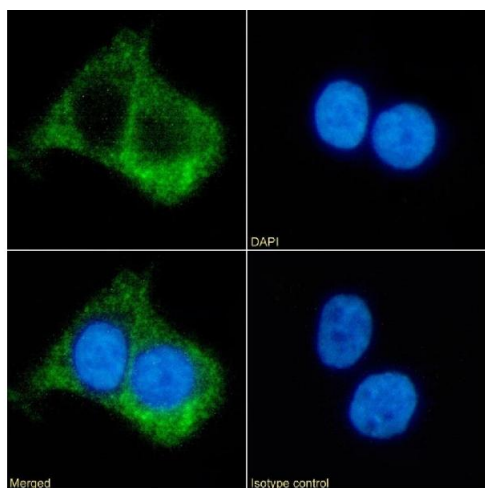
Target:	beta 2 Adrenergic Receptor (ADRB2)
Alternative Name:	Beta 2 adrenergic receptor (ADRB2 Products)
Background:	R11E1, Beta-2 adrenergic receptor, Beta-2 adrenoreceptor, Beta-2 adrenoceptor, β -2 adrenergic receptor, β -2 adrenoreceptor, β -2 adrenoceptor, β 2AR, β 2-AR
UniProt:	P07550
Pathways:	cAMP Metabolic Process , Synaptic Membrane , Regulation of G-Protein Coupled Receptor Protein Signaling , Brown Fat Cell Differentiation

Application Details

Application Notes:	This antibody is recommended for the detection and analysis of the beta-2 adrenergic receptor. It was successfully used in the in vivo phosphorylation assays during Western blot detections of beta-2 adrenergic receptor (Huang et al., 2009).
Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of fixed A431 cells with anti-Beta 2 adrenergic receptor antibody R11/E1. Immunofluorescence analysis of paraformaldehyde fixed A431 cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of R11/E1 (ABIN7072669) at 10 µg/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072669, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (ABIN5668079) followed by staining with Alexa Fluor® 488 secondary antibody.