

Datasheet for ABIN7072670

Recombinant anti-beta 2 Adrenergic Receptor antibody



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Overview

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

Product Details

Purpose:	Anti-Beta 2 adrenergic receptor [13D6], Mouse IgG1, kappa
Immunogen:	This antibody was raised by immunizing mice with beta-2 adrenergic receptor.
Clone:	13D6
Isotype:	IgG1 kappa
Specificity:	13D6 antibody recognizes human beta-2 adrenergic receptor. It was reported that this antibody recognizes extracellular domains of the receptor (Han et al., 2012). 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, I3D6

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 identification and analysis of the β 2-adrenergic receptor. For instance, it was used to immunostain vascular smooth muscle cells (VSMCs) against beta-2-adrenergic receptor to determine the fate of beta-2ARs ubiquitinated in a carvedilol responsive manner (Han et al., 2012). Furthermore, the antibody was utilized in the quantification of the surface level of β -2ARs via ELISA (Han et al., 2012).

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.