

Recombinant Human ADRB2 cell lysate

Cat. No. ADRB2-34HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity and type 2 diabetes.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ADRB2 adrenoceptor beta 2, surface [Homo sapiens]
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Official Symbol	ADRB2
Synonyms	BAR; B2AR; ADRBR; ADRB2R; BETA2AR; beta-2 adrenergic receptor; beta-2 adrenoceptor; beta-2 adrenoreceptor; catecholamine receptoradrenoceptor beta 2 surface; adrenergic, beta-2-, receptor, surface
Gene ID	154
mRNA Refseq	NM_000024
Protein Refseq	NP_000015
MIM	109690
UniProt ID	P07550
Chromosome Location	5q31-q32
Pathway	Adrenergic signaling in cardiomyocytes, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem
Function	adenylate cyclase binding; beta2-adrenergic receptor activity; norepinephrine binding