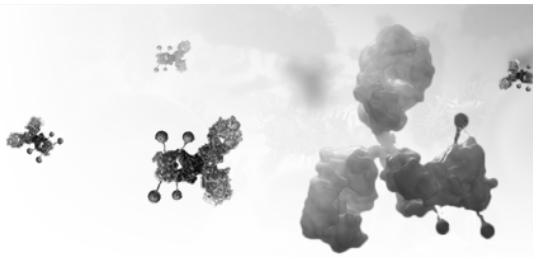

Human ADRB2 blocking peptide (DAG-P1336)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRB2 sub-subfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ADRB2 adrenoceptor beta 2, surface [Homo sapiens (human)]
Official Symbol	ADRB2
Synonyms	ADRB2; adrenoceptor beta 2, surface; BAR; B2AR; ADRBR; ADRB2R; BETA2AR; beta-2 adrenergic receptor; beta-2 adrenoceptor; beta-2 adrenoreceptor; catecholamine receptor;

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	adrenoceptor beta 2 surface; adrenergic, beta-2-, receptor, surface;
Entrez Gene ID	154
mRNA Refseq	NM_000024.5
Protein Refseq	NP_000015.1
UniProt ID	P07550
Chromosome Location	5q31-q32
Pathway	Adrenergic signaling in cardiomyocytes, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, conserved biosystem; Adrenoceptors, organism-specific biosystem; Amine ligand-binding receptors, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserv
Function	adenylate cyclase binding; beta2-adrenergic receptor activity; norepinephrine binding; potassium channel regulator activity; protein binding; protein homodimerization activity;

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