



Human ADRB2 blocking peptide (CDBP0328)

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

PRODUCT INFORMATION

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| Product Overview | Blocking/Immunizing peptide for anti-ADRB2R/ADRB2 antibody |
| 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] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

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| Gene Name | ADRB2 adrenoceptor beta 2, surface [Homo sapiens (human)] |
| Official Symbol | ADRB2 |

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| Synonyms | ADRB2; adrenoceptor beta 2, surface; BAR; B2AR; ADRBR; ADRB2R; BETA2AR; beta-2 adrenergic receptor; beta-2 adrenoceptor; beta-2 adrenoreceptor; catecholamine receptor; 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; |
