



Human ADRA2A blocking peptide (CDBP0326)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ADRA2A antibody
Antigen Description	Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. Studies in mouse revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons; the alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. This gene encodes alpha2A subtype and it contains no introns in either its coding or untranslated sequences. [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

Gene Name [ADRA2A adrenoceptor alpha 2A \[Homo sapiens \(human\) \]](#)

Official Symbol	ADRA2A
Synonyms	ADRA2A; adrenoceptor alpha 2A; ADRA2; ADRAR; ZNF32; ADRA2R; ALPHA2AAR; alpha-2A adrenergic receptor; alpha-2A adrenoceptor; alpha-2AAR subtype C10; alpha-2A adrenoreceptor; adrenergic, alpha-2A-, receptor; alpha-2 adrenergic receptor subtype C10; alpha-2-adrenergic receptor, platelet type;
Entrez Gene ID	150
mRNA Refseq	NM_000681.3
Protein Refseq	NP_000672.3
UniProt ID	P08913
Chromosome Location	10q25.2
Pathway	Adrenaline signalling through Alpha-2 adrenergic receptor, organism-specific biosystem; Adrenoceptors, organism-specific biosystem; Amine ligand-binding receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (z) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A
Function	alpha-1B adrenergic receptor binding; alpha-2C adrenergic receptor binding; alpha2-adrenergic receptor activity; alpha2-adrenergic receptor activity; epinephrine binding; heterotrimeric G-protein binding; norepinephrine binding; protein binding; protein h