ADRA2A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ADRA2A, Polyclonal Antibody
Full Product Name	ADRA2A Antibody, FITC conjugated
Product Gene Name	anti-ADRA2A antibody
Product Synonym Names	Alpha-2A adrenergic receptor; Alpha-2 adrenergic receptor subtype C10; Alpha-2A adrenoreceptor; Alpha-2A adrenoceptor; Alpha-2AAR; ADRA2A; ADRA2R; ADRAR
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: ADRA2A (MBS7047620) FITC Conjugated Antibody: ADRA2A (MBS7047622)
Molecular Weight	48,957 Da
OMIM	M18415 Genomic DNA
3D Structure	ModBase 3D Structure for P08913
Immunogen	Recombinant Human Alpha-2A adrenergic receptor protein (218-374AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	FITC
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1478 / sc-28983 / sc-31356 / sc-31357
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ADRA2A antibody	ELISA (EIA)
Related Product Information for anti-ADRA2A antibody	Alpha-2 adrenergic receptors mediate the catecholamine-induced inhibition of adenylate cyclase through the action of G proteins. The rank order of potency for agonists of this receptor is oxymetazoline > clonidine > epinephrine > norepinephrine > phenylephrine > dopamine > p-synephrine > p-tyramine > serotonin = p-octopamine. For antagonists, the rank order is yohimbine > phentolamine = mianserine > chlorpromazine = spiperone = prazosin > propanolol > alprenolol = pindolol.
Other Notes	Small volumes of anti-ADRA2A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ADRA2A purchase	MBS7047622 is an antibody targeting ADRA2A. Also known as ADRA2A Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADRA2A. It may not necessarily be applicable to this product.

NCBI GI #	194353970
NCBI GeneID	150
NCBI Accession #	NP_000672.3
UniProt Primary Accession #	P08913
UniProt Secondary Accession #	Q2I8G2; Q2XN99; Q86TH8; Q9BZK1; B0LPF6
UniProt Related Accession #	P08913
GenBank Nucleotide #	NM_000681.3
NCBI Official Full Name	alpha-2A adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor alpha 2A
NCBI Official Symbol	ADRA2A
NCBI Official Synonym Symbols	ADRA2; ADRAR; ZNF32; ADRA2R; ALPHA2AAR
UniProt Protein Name	Alpha-2A adrenergic receptor
UniProt Synonym Protein Names	Alpha-2 adrenergic receptor subtype C10; Alpha-2A adrenoreceptor; Alpha-2A adrenoceptor; Alpha-2AAR
Protein Family	Alpha-2A adrenergic receptor
UniProt Gene Name	ADRA2A
UniProt Synonym Gene Names	ADRA2R; ADRAR; Alpha-2A adrenoceptor; Alpha-2AAR
UniProt Entry Name	ADA2A_HUMAN
NCBI Protein Information	alpha-2A adrenergic receptor
NCBI Summary for ADRA2A	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]
Research Articles on ADRA2A	**1.** ADRA2A Germline Gene Polymorphism is Associated to the Severity, but not to the Risk, of Breast Cancer.
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