

ADRA2A Blocking Peptide (N-Term)
Synthetic peptide
Catalog # BP21754a

Specification

ADRA2A Blocking Peptide (N-Term) - Product Information

Primary Accession [P08913](#)

ADRA2A Blocking Peptide (N-Term) - Additional Information

Gene ID 150

Other Names

Alpha-2A adrenergic receptor, Alpha-2 adrenergic receptor subtype C10, Alpha-2A adrenoreceptor, Alpha-2A adrenoceptor, Alpha-2AAR, ADRA2A, ADRA2R, ADRAR

Target/Specificity

The synthetic peptide sequence is selected from aa 138-152 of HUMAN ADRA2A

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ADRA2A Blocking Peptide (N-Term) - Protein Information

Name ADRA2A ([HGNC:281](#))

Synonyms ADRA2R, ADRAR

Function

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 > propranolol > alprenolol = pindolol.

Cellular Location

Cell membrane; Multi-pass membrane protein

ADRA2A Blocking Peptide (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ADRA2A Blocking Peptide (N-Term) - Images

ADRA2A Blocking Peptide (N-Term) - Background

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.

ADRA2A Blocking Peptide (N-Term) - References

Kobilka B.K.,et al.Science 238:650-656(1987).
Fraser C.M.,et al.J. Biol. Chem. 264:11754-11761(1989).
Guyer C.A.,et al.J. Biol. Chem. 265:17307-17317(1990).
Small K.M.,et al.J. Biol. Chem. 275:38518-38523(2000).
Small K.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 103:5472-5477(2006).