

ADRA2C Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14582b**Specification**

ADRA2C Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P18825](#)**ADRA2C Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 152**Other Names**

Alpha-2C adrenergic receptor, Alpha-2 adrenergic receptor subtype C4, Alpha-2C adrenoreceptor, Alpha-2C adrenoceptor, Alpha-2CAR, ADRA2C, ADRA2L2, ADRA2RL2

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.

ADRA2C Antibody (C-term) Blocking Peptide - Protein Information**Name** ADRA2C**Synonyms** ADRA2L2, ADRA2RL2**Function**

Alpha-2 adrenergic receptors mediate the catecholamine- induced inhibition of adenylate cyclase through the action of G proteins.

Cellular Location

Cell membrane; Multi-pass membrane protein.

ADRA2C Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ADRA2C Antibody (C-term) Blocking Peptide - Images

ADRA2C Antibody (C-term) Blocking Peptide - Background

Alpha-2-adrenergic receptors are members of the Gprotein-coupled receptor superfamily. They include 3 highlyhomologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release fromsympathetic nerves and from adrenergic neurons in the centralnervous system. The mouse studies revealed that both the alpha2Aand alpha2C subtypes were required for normal presynaptic controlof transmitter release from sympathetic nerves in the heart andfrom central noradrenergic neurons. The alpha2A subtype inhibitedtransmitter release at high stimulation frequencies, whereas thealpha2C subtype modulated neurotransmission at lower levels ofnerve activity. This gene encodes the alpha2C subtype, whichcontains no introns in either its coding or untranslated sequences.

ADRA2C Antibody (C-term) Blocking Peptide - References

Chen, Q.J., et al. Clin. Biochem. 43(15):1201-1204(2010)Maqbool, A., et al. J. Hypertens. 28(10):2084-2093(2010)Saus, E., et al. J Psychiatr Res 44(14):971-978(2010)Gao, Y., et al. Ophthalmology (2010) In press :Montgomery, M.D., et al. Br. J. Pharmacol. 159(4):820-830(2010)