

CHRM2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14420c**Specification**

CHRM2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P08172](#)**CHRM2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1129**Other Names**

Muscarinic acetylcholine receptor M2, CHRM2

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.

CHRM2 Antibody (Center) Blocking Peptide - Protein Information**Name** CHRM2**Function**

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is adenylate cyclase inhibition. Signaling promotes phospholipase C activity, leading to the release of inositol trisphosphate (IP3); this then triggers calcium ion release into the cytosol.

Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Note=Phosphorylation in response to agonist binding promotes receptor internalization {ECO:0000250|UniProtKB:P06199}

CHRM2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CHRM2 Antibody (Center) Blocking Peptide - Images**CHRM2 Antibody (Center) Blocking Peptide - Background**

The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine to these receptors and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degradation, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 2 is involved in mediation of bradycardia and a decrease in cardiac contractility. Multiple alternatively spliced transcript variants have been described for this gene.

CHRM2 Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Cannon, D.M., et al. Mol. Psychiatry (2010) In press :Bosker, F.J., et al. Mol. Psychiatry (2010) In press :