

MC4R Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10970a**Specification**

MC4R Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P32245](#)**MC4R Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 4160**Other Names**

Melanocortin receptor 4, MC4-R, MC4R

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.

MC4R Antibody (N-term) Blocking peptide - Protein Information**Name** MC4R**Function**

Receptor specific to the heptapeptide core common to adrenocorticotrophic hormone and alpha-, beta-, and gamma-MSH. Plays a central role in energy homeostasis and somatic growth. This receptor is mediated by G proteins that stimulate adenylate cyclase (cAMP).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Brain, placental, and gut tissues.

MC4R Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MC4R Antibody (N-term) Blocking peptide - Images

MC4R Antibody (N-term) Blocking peptide - Background

The protein encoded by this gene is a membrane-bound receptor and member of the melanocortin receptor family. The encoded protein interacts with adrenocorticotrophic and MSH hormones and is mediated by G proteins. This is an intronless gene. Defects in this gene are a cause of autosomal dominant obesity. [provided by RefSeq].

MC4R Antibody (N-term) Blocking peptide - References

Hotta, K., et al. J. Hum. Genet. 55(11):738-742(2010) Roubert, P., et al. J. Endocrinol. 207(2):177-183(2010) Jablonski, K.A., et al. Diabetes 59(10):2672-2681(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Sarzynski, M.A., et al. Int J Obes (Lond) (2010) In press :