

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

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**MC4R Antibody (N-term) Blocking peptide - Product Information**Primary 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 :