

MC4R Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF3995a**Specification**

MC4R Antibody (N-Term) - Product Information

Application	E
Primary Accession	P32245
Other Accession	NP_005903.2 , 4160
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	36943

MC4R Antibody (N-Term) - Additional Information**Gene ID** 4160**Other Names**

Melanocortin receptor 4, MC4-R, MC4R

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MC4R Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

MC4R Antibody (N-Term) - 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) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MC4R Antibody (N-Term) - Images

MC4R Antibody (N-Term) - Background

The immunizing peptide represents extracellular part of the protein

MC4R Antibody (N-Term) - References

Constitutive cholesterol-dependent endocytosis of melanocortin-4 receptor (MC4R) is essential to maintain receptor responsiveness to α -melanocyte-stimulating hormone (α -MSH). McDaniel FK, Molden BM, Mohammad S, Baldini G, McPike L, Narducci P, Granell S, Baldini G. The Journal of biological chemistry 2012 Jun 28; 287 (26): 21873-90. PMID: 22544740