

**MC3R Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8719c****Specification**

---

**MC3R Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P41968](#)

**MC3R Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 4159

**Other Names**

Melanocortin receptor 3, MC3-R, MC3R

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8719c](/products/AP8719c) was selected from the Center region of human MC3R. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**MC3R Antibody (Center) Blocking Peptide - Protein Information**

**Name** MC3R

**Function**

Receptor for MSH (alpha, beta and gamma) and ACTH. This receptor is mediated by G proteins which activate adenylate cyclase. Required for expression of anticipatory patterns of activity and wakefulness during periods of limited nutrient availability and for the normal regulation of circadian clock activity in the brain.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Brain, placental, and gut tissues.

## **MC3R Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **MC3R Antibody (Center) Blocking Peptide - Images**

## **MC3R Antibody (Center) Blocking Peptide - Background**

MC3R is a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotrophic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy.

## **MC3R Antibody (Center) Blocking Peptide - References**

Magenis,R.E.,et.al., Mamm. Genome 5 (8), 503-508 (1994)Konda,Y., et.al., J. Biol. Chem. 269 (18), 13162-13166 (1994)