

MC5R Antibody (N-Term, near)
Peptide-affinity purified goat antibody
Catalog # AF2729a**Specification**

MC5R Antibody (N-Term, near) - Product Information

Application	WB, E
Primary Accession	P33032
Other Accession	NP_005904.1 , 4161 , 17203 (mouse)
Reactivity	Human, Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	36601

MC5R Antibody (N-Term, near) - Additional Information**Gene ID** 4161**Other Names**

Melanocortin receptor 5, MC5-R, MC-2, MC5R

Dilution

WB~~1:1000

E~~N/A

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

MC5R Antibody (N-Term, near) is for research use only and not for use in diagnostic or therapeutic procedures.

MC5R Antibody (N-Term, near) - Protein Information**Name** MC5R ([HGNC:6933](#))**Function**

G protein-coupled receptor for melanocyte-stimulating hormones (alpha- beta- and gamma-MSH) and corticotropin/ACTH, which are peptide products of the POMC precursor (PubMed:37524700, PubMed:8396929). Upon

activation, couples to G(s) protein, stimulating adenylate cyclase and the cAMP-dependent signaling pathway (PubMed:37524700). Also activates ERK1/2 via a PI3K-dependent signaling mechanism (PubMed:19428994). Order of potency of natural melanocortins in receptor activation is alpha-MSH > ACTH > beta-MSH > gamma-MSH (PubMed:8396929). Plays a key role in immune response, and is essential for temperature regulation and exocrine gland function (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

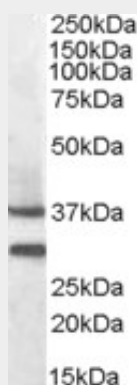
Expressed in the brain but not in the melanoma cells

MC5R Antibody (N-Term, near) - 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](#)

MC5R Antibody (N-Term, near) - Images



AF2729a (0.3 µg/ml) staining of Mouse Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

MC5R Antibody (N-Term, near) - References

Further structure-activity studies of lactam derivatives of MT-II and SHU-9119: their activity and selectivity at human melanocortin receptors 3, 4, and 5. Grieco P, Cai M, Han G, Trivedi D, Campiglia P, Novellino E, Hruby VJ. Peptides. 2007 Jun;28(6):1191-6. Epub 2007 Mar 1. PMID: 17482720