

Anti-MC5 Receptor Rabbit Monoclonal Antibody

Catalog # ABO16172

Product Information

Application	WB, IHC
Primary Accession	P33032
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-MC5 Receptor Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

Additional Information

Gene ID	4161
Other Names	Melanocortin receptor 5, MC5-R, MC-2, MC5R
Calculated MW	36601
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 27M51
Immunogen	A synthesized peptide derived from human MC5 Receptor
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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).

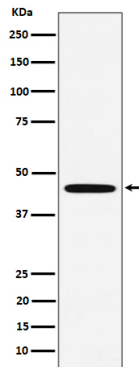
Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Expressed in the brain but not in the melanoma cells

Images



Western blot analysis of MC5 Receptor expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.