

# MC-2 Rabbit mAb

Catalog # AP78783

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">P33032</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human MC5 Receptor
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	36601

## Additional Information

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<b>Gene ID</b>	4161
<b>Other Names</b>	MC5R
<b>Dilution</b>	WB~1/500-1/1000 IHC-P~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

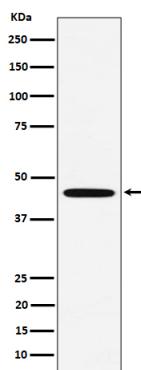
## Protein Information

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<b>Name</b>	MC5R ( <a href="#">HGNC:6933</a> )
<b>Function</b>	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: <a href="#">37524700</a> , PubMed: <a href="#">8396929</a> ). Upon activation, couples to G(s) protein, stimulating adenylate cyclase and the cAMP-dependent signaling pathway (PubMed: <a href="#">37524700</a> ). Also activates ERK1/2 via a PI3K-dependent signaling mechanism (PubMed: <a href="#">19428994</a> ). Order of potency of natural melanocortins in receptor activation is alpha-MSH > ACTH > beta-MSH > gamma-MSH (PubMed: <a href="#">8396929</a> ). Plays a key role in immune response, and is essential for temperature regulation and exocrine gland function (By similarity).
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein.
<b>Tissue Location</b>	Expressed in the brain but not in the melanoma cells

## Images

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