

# MC1 Receptor Antibody

Rabbit mAb

Catalog # AP91944

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">Q01726</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CMM5; MC1R; MSHR; SHEP2;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	34706

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000 IHC 1:100~1:500
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human MC1 Receptor
<b>Description</b>	Receptor for MSH (alpha, beta and gamma) and ACTH. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

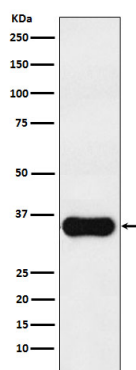
## Protein Information

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<b>Name</b>	MC1R
<b>Synonyms</b>	MSHR
<b>Function</b>	Receptor for MSH (alpha, beta and gamma) and ACTH (PubMed: <a href="#">11442765</a> , PubMed: <a href="#">11707265</a> , PubMed: <a href="#">1325670</a> , PubMed: <a href="#">1516719</a> , PubMed: <a href="#">8463333</a> ). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed: <a href="#">11707265</a> , PubMed: <a href="#">1325670</a> , PubMed: <a href="#">16463023</a> , PubMed: <a href="#">19737927</a> ). Mediates melanogenesis, the production of eumelanin (black/brown) and phaeomelanin (red/yellow), via regulation of cAMP signaling in melanocytes (PubMed: <a href="#">31097585</a> ).
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Expressed in melanocytes (PubMed:1325670, PubMed:31097585). Expressed in corticoadrenal tissue (PubMed:1325670)

## Images

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Western blot analysis of MC1 Receptor expression in A375 cell lysate.

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