

**MC1 Receptor Antibody**  
Rabbit mAb  
Catalog # AP91944**Specification**

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**MC1 Receptor Antibody - Product Information**

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

**MC1 Receptor Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MC1 Receptor
Description	Receptor for MSH (alpha, beta and gamma) and ACTH. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.
Storage Condition and Buffer	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.

**MC1 Receptor Antibody - Protein Information****Name** MC1R**Synonyms** MSHR**Function**

Receptor for MSH (alpha, beta and gamma) and ACTH (PubMed:[11442765](http://www.uniprot.org/citations/11442765), PubMed:[11707265](http://www.uniprot.org/citations/11707265), PubMed:[1325670](http://www.uniprot.org/citations/1325670), PubMed:[1516719](http://www.uniprot.org/citations/1516719), PubMed:[8463333](http://www.uniprot.org/citations/8463333)). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed:[11707265](http://www.uniprot.org/citations/11707265), PubMed:[1325670](http://www.uniprot.org/citations/1325670), PubMed:[16463023](http://www.uniprot.org/citations/16463023), PubMed:[19737927](http://www.uniprot.org/citations/19737927)). Mediates

melanogenesis, the production of eumelanin (black/brown) and pheomelanin (red/yellow), via regulation of cAMP signaling in melanocytes (PubMed:<a href="http://www.uniprot.org/citations/31097585" target="\_blank">31097585</a>).

#### Cellular Location

Cell membrane; Multi-pass membrane protein

#### Tissue Location

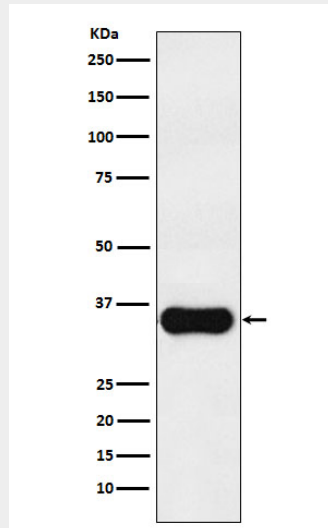
Expressed in melanocytes (PubMed:1325670, PubMed:31097585). Expressed in corticoadrenal tissue (PubMed:1325670)

### MC1 Receptor Antibody - 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](#)

### MC1 Receptor Antibody - Images



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