

**MC1R Antibody (Cytoplasmic Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10249****Specification**

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**MC1R Antibody (Cytoplasmic Domain) - Product Information**

Application	IHC
Primary Accession	<a href="#">Q01726</a>
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa KDa

**MC1R Antibody (Cytoplasmic Domain) - Additional Information****Gene ID** 4157**Other Names**

Melanocyte-stimulating hormone receptor, MSH-R, Melanocortin receptor 1, MC1-R, MC1R, MSHR

**Target/Specificity**

Human MC1 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

MC1R Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**MC1R Antibody (Cytoplasmic Domain) - 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:[16463023](http://www.uniprot.org/citations/16463023)).

href="http://www.uniprot.org/citations/19737927" target="\_blank">19737927</a>). Mediates melanogenesis, the production of eumelanin (black/brown) and phaeomelanin (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

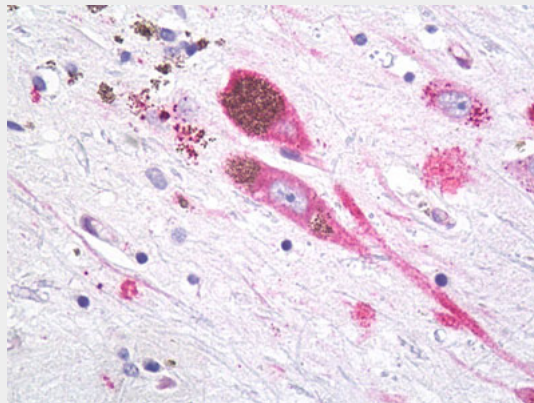
Expressed in melanocytes (PubMed:1325670, PubMed:31097585). Expressed in corticoadrenal tissue (PubMed:1325670)

### MC1R Antibody (Cytoplasmic Domain) - 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](#)

### MC1R Antibody (Cytoplasmic Domain) - Images



Anti-MC1R antibody IHC of brain, substantia nigra, neurons.

### MC1R Antibody (Cytoplasmic Domain) - Background

Receptor for MSH (alpha, beta and gamma) and ACTH. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.

### MC1R Antibody (Cytoplasmic Domain) - References

- Mountjoy K.G., et al. *Science* 257:1248-1251(1992).  
Gantz I., et al. *J. Biol. Chem.* 268:8246-8250(1993).  
Chhajlani V., et al. *FEBS Lett.* 309:417-420(1992).  
Chhajlani V., et al. *FEBS Lett.* 390:238-238(1996).  
Rana B.K., et al. *Genetics* 151:1547-1557(1999).

