

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

MC1R Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P
Primary Accession	Q01726
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa KDa
Dilution	IHC-P ~ N/A

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, PubMed:11707265, PubMed:1325670, PubMed:1516719, PubMed:8463333). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed:11707265, PubMed:1325670, PubMed:1325670, PubMed:1325670).

href="http://www.uniprot.org/citations/16463023" target="_blank">16463023, PubMed:19737927). Mediates melanogenesis, the production of eumelanin (black/brown) and pheomelanin (red/yellow), via regulation of cAMP signaling in melanocytes (PubMed:31097585).

Cellular Location

Cell membrane; Multi-pass membrane protein

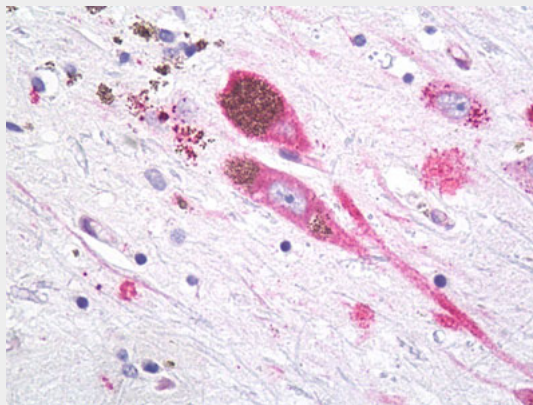
Tissue Location

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).

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