SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

**[ Primary Antibody ]**

# Rabbit Anti-MC1R antibody

**Catalog Number: SL23516R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

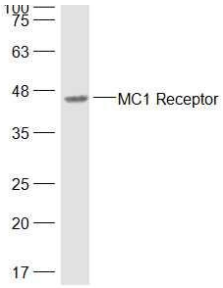
| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | MC1R |
| **Immunogen:** | KLH conjugated synthetic peptide derived from mouse MC1 Receptor : 231-315/315 <Cytoplasmic> |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Mouse,Rat |
| **Predicted MW.:** | 35kDa |
| **Subcellular Location:** | The cell membrane |
| **Background:** | Enables melanocyte-stimulating hormone receptor activity. Involved in intracellular signal transduction; positive regulation of intracellular signal transduction; and positive regulation of transcription by RNA polymerase II. Acts upstream of or within melanin biosynthetic process; pigmentation; and sensory perception of pain. Predicted to be located in membrane. Predicted to be integral component of membrane. Predicted to be active in cytoplasm and plasma membrane. Is expressed in ductus deferens; epididymis; esophagus; and skin. Human ortholog(s) of this gene implicated in familial melanoma; major depressive disorder; melanoma; oculocutaneous albinism type II; and pigmentation disease. Orthologous to human MC1R (melanocortin 1 receptor). [provided by Alliance of Genome Resources, Nov 2021]<br>**Function:** Receptor for MSH (alpha, beta and gamma) and ACTH. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

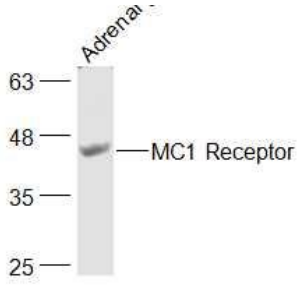
SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

| | |
|---|---|
| | **Subcellular Location:** Cell membrane.<br>**Tissue Specificity:** Melanocytes and corticoadrenal tissue.<br>DISEASE: Genetic variations in MC1R are a cause of susceptibility to cutaneous malignant melanoma type 5 (CMM5) [MIM:613099]. Malignant melanoma is a malignant neoplasm of melanocytes, arising de novo or from a pre-existing benign nevus, which occurs most often in the skin but also may involve other sites.<br>**Similarity:** Belongs to the G-protein coupled receptor 1 family.<br>**Database links:**<br>**Entrez Gene:** 17199 Mouse<br>**SwissProt:** Q01727 Mouse<br>Steroid Receptors |

## [ VALIDATION IMAGES ]




Sample:
B16(Mouse) Cell Lysate at 30 ug
Primary: Anti-MC1 Receptor (SL23516R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35 kD
Observed band size: 45 kD




Sample:
Adrenal gland (Rat) Lysate at 40 ug
Primary: Anti-MC1 Receptor (SL23516R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35 kD
Observed band size: 45 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.