

Datasheet for ABIN6143610
anti-MC1 Receptor antibody (AA 1-80)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | MC1 Receptor (MC1R) |
| Binding Specificity: | AA 1-80 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MC1 Receptor antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|-------------------|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-80 of human MC1 Receptor (NP_002377.4). |
| Sequence: | MAVQGSQRRL LGSLNSTPTA IPQLGLAANQ TGARCLEVSI SDGLFLSLGL VSLVENALVV ATIAKNRNLH SPMYCFICCL |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

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|---------|---------------------|
| Target: | MC1 Receptor (MC1R) |
|---------|---------------------|

Target Details

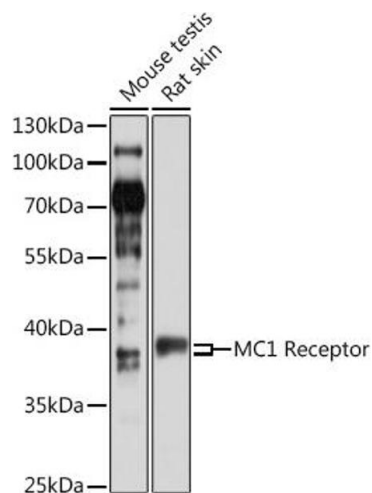
| | |
|-------------------|---|
| Alternative Name: | MC1R (MC1R Products) |
| Background: | <p>This intronless gene encodes the receptor protein for melanocyte-stimulating hormone (MSH). The encoded protein, a seven pass transmembrane G protein coupled receptor, controls melanogenesis. Two types of melanin exist: red pheomelanin and black eumelanin. Gene mutations that lead to a loss in function are associated with increased pheomelanin production, which leads to lighter skin and hair color. Eumelanin is photoprotective but pheomelanin may contribute to UV-induced skin damage by generating free radicals upon UV radiation. Binding of MSH to its receptor activates the receptor and stimulates eumelanin synthesis. This receptor is a major determining factor in sun sensitivity and is a genetic risk factor for melanoma and non-melanoma skin cancer. Over 30 variant alleles have been identified which correlate with skin and hair color, providing evidence that this gene is an important component in determining normal human pigment variation.,MC1R,CMM5,MSH-R,SHEP2,Signal Transduction,G protein signaling,G-Protein-Coupled Receptors(GPCR),Endocrine & Metabolism,Neuroscience,MC1R</p> |
| Molecular Weight: | 34 kDa |
| Gene ID: | 4157 |
| UniProt: | Q01726 |
| Pathways: | cAMP Metabolic Process , Feeding Behaviour |

Application Details

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|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:2000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MC1 Receptor antibody (ABIN6132878, ABIN6143610, ABIN6143612 and ABIN6217539) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 15s.