[KO Validated] MC1 Receptor Rabbit Monoclonal Antibody

CAB11594

Product Information

Product SKU:	CAB11594	**Gene ID**:	4157	**Size**:	20uL, 100uL
Clone No:	ARC0638	**Host Species:**	Rabbit	**Reactivity**:	Human,Mouse,Rat

Additional Information

Observed MW:	35kDa	**Conjugate:**	Unconjugated
Calculated MW:	35kDa	**Isotype:**	IgG

Immunogen Information

Background:	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.
Recommended Dilution:	WB,1:500 - 1:2000
Synonyms:	CMM5; MSH-R; SHEP2; MC1 Receptor
Purifcation Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MC1 Receptor (Q01726).
Storage:	Store at -20℃. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

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