

Datasheet for ABIN7383951
anti-MC1 Receptor antibody



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Overview

Quantity:	20 µL
Target:	MC1 Receptor (MC1R)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MC1 Receptor antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide of human MC1R
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	MC1 Receptor (MC1R)
Alternative Name:	MC1R (MC1R Products)
Background:	CMM5,MC1-R,MC1R,Melanocortin 1 receptor,Melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor),Melanocortin receptor 1,Melanocyte-stimulating hormone receptor,Melanotropin receptor,MSH-R,MSHR,MSHR,SHEP2,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

Target Details

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.

Molecular Weight:	35 kDa
NCBI Accession:	NP_002377
UniProt:	Q01726
Pathways:	cAMP Metabolic Process , Feeding Behaviour

Application Details

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

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
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.