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Datasheet for ABIN6944035
anti-MC1 Receptor antibody (AA 181-280)

Overview

Quantity:	100 µL
Target:	MC1 Receptor (MC1R)
Binding Specificity:	AA 181-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MC1 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MC1 Receptor
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	MC1 Receptor (MC1R)
Alternative Name:	MC1 Receptor (MC1R Products)

Target Details

Background:	<p>Synonyms: MC1 Receptor, CMM5, MC1-R, MC-1R, 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_HUMAN, SHEP2.</p> <p>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. Over30 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.</p>
Gene ID:	4157
UniProt:	Q01727
Pathways:	cAMP Metabolic Process , Feeding Behaviour

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months