Datasheet for ABIN2856574

anti-MC1 Receptor antibody (C-Term)

3 Images

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Overview

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

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human MC1 Receptor. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to MC1 Receptor (melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)) MC1 Receptor antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

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Target Details

Target:	MC1 Receptor (MC1R)
Alternative Name:	melanocortin 1 receptor (MC1R Products)
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. Cellular Localization: Cell membrane, Multi-pass membrane protein
Molecular Weight:	35 kDa
Gene ID:	4157
UniProt:	Q01726
Pathways:	cAMP Metabolic Process, Feeding Behaviour

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Restrictions:	For Research Use only

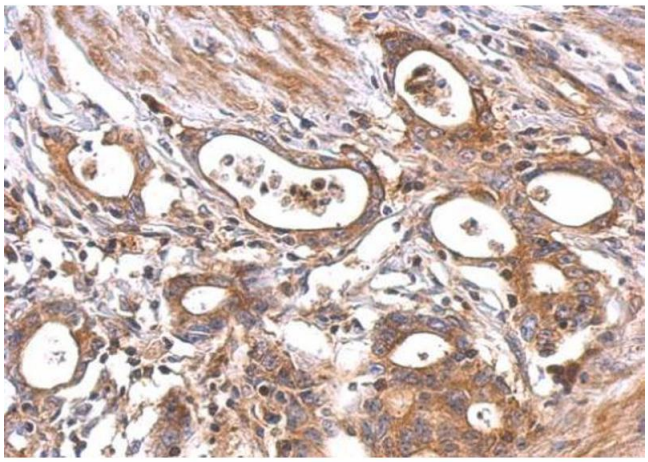
Handling

Format:	Liquid
Concentration:	0.96 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

Handling

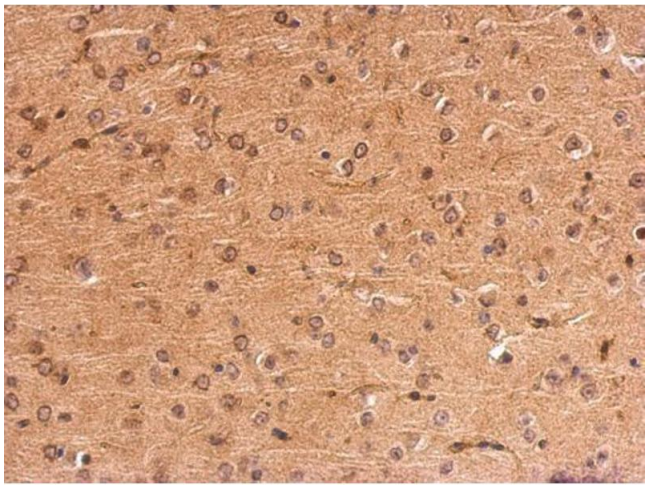
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image MC1 Receptor antibody [C2C3], C-term detects MC1R protein at cytosol and membrane on human colon carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded colon carcinoma. MC1 Receptor antibody [C2C3], C-term , dilution: 1:500.



Immunohistochemistry

Image 2. IHC-P Image MC1 Receptor antibody [C2C3], C-term detects MC1R protein at membrane on mouse fore brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse fore brain. MC1 Receptor antibody [C2C3], C-term , dilution: 1:500.

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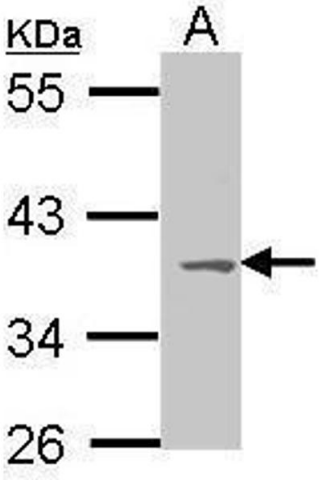

Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Molt-4 , 10% SDS PAGE antibody diluted at 1:1000

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