

Rabbit anti-Human, Mouse MC1R Polyclonal Antibody | anti-MC1R antibody

MC1R antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303116	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MC1R; Polyclonal Antibody; MC1R antibody; CMM5; MSH-R; SHEP2; anti-MC1R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total MC1R antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	317
Applicable Applications for anti-MC1R antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human MC1R.
Target Name	MC1R
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human kidney cancer tissue using MC1R antibody at dilution of 1:200 (x400 lens)



WB (Western Blot)

Western blot analysis of extracts of mouse intestine tissue lysate, using MC1R antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MC1R antibody

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.

Product Categories/Family for anti-MC1R antibody	Total protein Ab
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193083134
NCBI GeneID	4157
NCBI Accession #	NP_002377.4
NCBI GenBank Nucleotide #	NM_002386.3
UniProt Accession #	Q01726; Q66K38; Q6UR93; Q8WWX6; Q8WWX7; Q96I33; Q96RU4; Q9UBF7; Q9UN58; Q9UN59; Q9UN60; Q9UN61
Molecular Weight	34,706 Da
NCBI Official Full Name	melanocyte-stimulating hormone receptor
NCBI Official Synonym Full Names	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)
NCBI Official Symbol	MC1R
NCBI Official Synonym Symbols	CMM5; MSH-R; SHEP2
NCBI Protein Information	melanocyte-stimulating hormone receptor
UniProt Protein Name	Melanocyte-stimulating hormone receptor
UniProt Gene Name	MC1R
UniProt Synonym Gene Names	MSHR; MSH-R; MC1-R
UniProt Entry Name	MSHR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mc1r-antibody-immunohistochemistry-western-blot-elisa/303116>