

DNAxPAb

Hard-to-Find
Antibody

MC1R DNAxPab

Catalog # H00004157-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human MC1R DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — MC1R

Entrez GeneID	4157
GeneBank Accession#	NM_002386.2
Protein Accession#	NP_002377.3
Gene Name	MC1R
Gene Alias	MGC14337, MSH-R, SHEP2
Gene Description	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)
Omim ID	155555 203200
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	melanocortin 1 receptor melanocyte stimulating hormone receptor melanotropin receptor

Pathway

- [Melanogenesis](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Albinism](#)
- [Bone Neoplasms](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Disease Susceptibility](#)
- [Dysplastic Nevus Syndrome](#)
- [Epstein-Barr Virus Infections](#)
- [Erythema](#)
- [Eye Neoplasms](#)
- [Genetic Determinism](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Melanosis](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Nevus](#)
- [Obesity](#)
- [Pain](#)
- [Parkinson disease](#)
- [Photosensitivity Disorders](#)
- [Pigmentation Disorders](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)

- [Radiation Injuries](#)
- [Skin Neoplasms](#)
- [Sunburn](#)
- [Thyroid Neoplasms](#)
- [Vitiligo](#)
- [Vulvar Diseases](#)