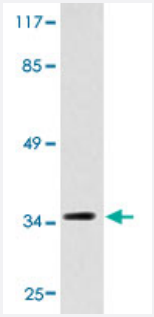
MC1R polyclonal antibody

Catalog # PAB25002 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of COLO 205 cell extracts with MC1R polyclonal antibody (Cat # PAB25002).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MC1R.
Immunogen	A synthetic peptide corresponding to MC1R.
Host	Rabbit
Theoretical MW (kDa)	35
Reactivity	Human
Specificity	MC1R polyclonal antibody detects endogenous levels of MC1R.
Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)

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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Western Blot (Cell lysate)

  Western blot analysis of COLO 205 cell extracts with MC1R polyclonal antibody (Cat # PAB25002).

Gene Info — MC1R

Entrez GeneID	4157
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). Th e encoded protein, a seven pass transmembrane G protein coupled receptor, controls melanoge nesis. Two types of melanin exist: red pheomelanin and black eumelanin. Gene mutations that lea d to a loss in function are associated with increased pheomelanin production, which leads to light er skin and hair color. Eumelanin is photoprotective but pheomelanin may contribute to UV-induce d skin damage by generating free radicals upon UV radiation. Binding of MSH to its receptor acti vates the receptor and stimulates eumelanin synthesis. This receptor is a major determining facto r 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. [provide d by RefSeq
Other Designations	melanocortin 1 receptor|melanocyte stimulating hormone receptor|melanotropin receptor

Pathway

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- 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

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- Pain
- Parkinson disease
- Photosensitivity Disorders
- Pigmentation Disorders
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Psoriasis
- Radiation Injuries
- Skin Neoplasms
- Sunburn
- Thyroid Neoplasms
- Vitiligo
- Vulvar Diseases

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