



MC2-R Monoclonal Antibody

Catalog No	YP-mAb-13404
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MC2R
Immunogen	The antiserum was produced against synthesized peptide derived from human ACTHR. AA range:248-297
Specificity	MC2-R Monoclonal Antibody detects endogenous levels of MC2-R protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACTHR;MC2R;MC2-R;Adrenocorticotrophic hormone receptor;ACTH receptor;ACTH-R;Adrenocorticotropin receptor;Melanocortin receptor 2
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Melanocytes and corticoadrenal tissue.
Function	disease:Defects in MC2R are the cause of glucocorticoid deficiency type 1 (GCCD1) [MIM:202200]; also known as familial glucocorticoid deficiency type 1 (FGD1). GCCD1 is an autosomal recessive disorder due to congenital insensitivity or resistance to adrenocorticotropin (ACTH). It is characterized by progressive primary adrenal insufficiency, without mineralocorticoid deficiency., function:Receptor for ACTH. This receptor is mediated by G proteins (G(s)) which activate adenylate cyclase.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with FALP/MRAP.,tissue specificity:Melanocytes and corticoadrenal tissue.,



Background

MC2R encodes one member of the five-member G-protein associated melanocortin receptor family. Melanocortins (melanocyte-stimulating hormones and adrenocorticotrophic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is selectively activated by adrenocorticotrophic hormone, whereas the other four melanocortin receptors recognize a variety of melanocortin ligands. Mutations in MC2R can result in familial glucocorticoid deficiency. Alternate transcript variants have been found for this gene. [provided by RefSeq, May 2014],

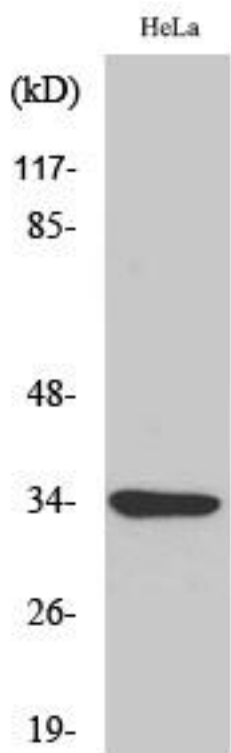
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MC2-R Monoclonal Antibody