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anti-MC1 Receptor antibody (AA 205-232)





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Overview		
Quantity:	400 μL	
Target:	MC1 Receptor (MC1R)	
Binding Specificity:	AA 205-232	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This MC1 Receptor antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This MC1R antibody is generated from mice immunized with a KLH conjugated synthetic	
	peptide between 205-232 amino acids from the Central region of human MC1R.	
Clone:	578CT6-2-3	
Isotype:	IgM	
Purification:	This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.	
Target Details		
Target:	MC1 Receptor (MC1R)	
Alternative Name:	MC1R (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. [provided by RefSeq].

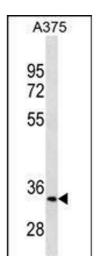
Molecular Weight:	34706
Gene ID:	4157
NCBI Accession:	NP_002377
UniProt:	Q01726
Pathways:	cAMP Metabolic Process, Feeding Behaviour

Application Details

Application Notes:	WB: 1:100~250
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	MC1R Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Western Blotting

 $\label{eq:mage_1} \textbf{Image} \ \ \textbf{1.} \ \ \text{MC1R} \ \ \text{Antibody} \ \ (\text{Center}) \ \ (\text{ABIN1537697} \ \ \text{and}$ $\ \ \text{ABIN2843877}) \ \ \text{western blot analysis in cell line lysates} \ \ (35\ \mu \ \ \text{g/lane}). This demonstrates the MC1R antibody detected the MC1R protein (arrow).}$