SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-MC5 Receptor antibody

Catalog Number: SL11418R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	MC5 Receptor
Immunogen:	KLH conjugated synthetic peptide derived from human MC5 Receptor: 78-125/325 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rabbit)
Predicted MW.:	37kDa
Subcellular Location:	The cell membrane
Background:	The melanocortin family comprises the Alpha-, Beta- and Gamma- melanocyte stimulating hormones (MSH) and adrenocorticotrophin. The receptors for these hormones are seven-transmembrane G protein-coupled proteins that activate adenylyl cyclase. Five melanocortin receptors have been cloned and shown to exhibit different affinities and patterns of expression. MC1-R (MSH-R) is expressed in melanocytes and corticoadrenal tissue. MC2-R is the ACTH receptor and is expressed primarily in the adrenal cortex. MC3-R has been found in specific regions of the brain and is also expressed in placenta and gut. MC4-R is expressed primarily in brain, while MC5-R is expressed at low levels in most tissues. **Function:** Receptor for MSH (alpha, beta and gamma) and ACTH. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. This receptor is a possible mediator of the immunomodulation

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	properties of melanocortins. **Subcellular Location:** Cell membrane. **Tissue Specificity:** Expressed in the brain but not in the melanoma cells. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 4161 Human **Entrez Gene:** 17203 Mouse **Entrez Gene:** 25726 Rat Omim: 600042 Human **SwissProt:** P33032 Human **SwissProt:** P41149 Mouse **SwissProt:** P35345 Rat **Unigene:** 248145 Human **Unigene:** 8003 Mouse **Unigene:** 9673 Rat

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