



## Rabbit Anti-MC5 Receptor antibody

SL11418R

<b>Product Name:</b>	MC5 Receptor
<b>Chinese Name:</b>	黑素皮质素受体5抗体
<b>Alias:</b>	MC-2; MC2; MC5 R; MC5-R; MC5R; MC5R_HUMAN; Melanocortin 5 receptor; Melanocortin receptor 5.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	37kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MC5 Receptor:78-125/325<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 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.

**SWISS:**

P33032

**Gene ID:**

4161

**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

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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