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**Product Name: MC5-R Rabbit Polyclonal Antibody****Catalog #: APRab13700**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:50-1:300
<b>Molecular Weight</b>	40kDa

**Antigen Information**

<b>Gene Name</b>	MC5R
<b>Alternative Names</b>	MC5R; Melanocortin receptor 5; MC5-R; MC-2
<b>Gene ID</b>	4161.0
<b>SwissProt ID</b>	P33032
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MC5R. AA range:271-320

**Background**

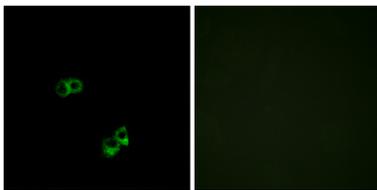
This gene encodes a member of the seven-pass transmembrane G protein-coupled melanocortin receptor protein family that

stimulate cAMP signal transduction. The encoded protein is a receptor for melanocyte-stimulating hormone and adrenocorticotrophic hormone and is suggested to play a role in sebum generation. [provided by RefSeq, Jun 2010],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.,online information:Melanocortin receptor entry,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed in the brain but not in the melanoma cells.,

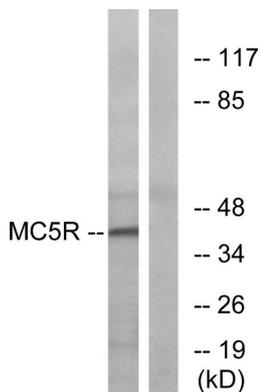
## Research Area

Neuroactive ligand-receptor interaction;

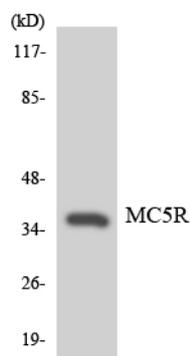
## Image Data



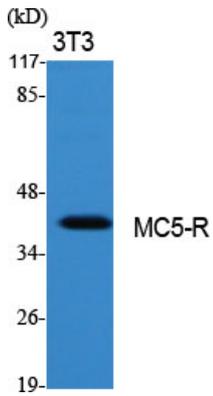
Immunofluorescence analysis of MCF7 cells, using MC5R Antibody. The picture on the right is blocked with the synthesized peptide.



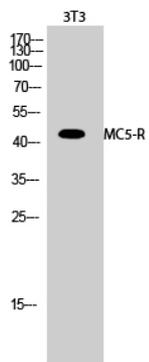
Western blot analysis of lysates from K562 cells, using MC5R Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using MC5R antibody.



Western Blot analysis of various cells using MC5-R Polyclonal Antibody



Western Blot analysis of 3T3 cells using MC5-R Polyclonal Antibody