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Datasheet for ABIN1386546  
**anti-MC4R antibody (AA 1-50)**

3 Images

### Overview

Quantity:	100 µL
Target:	MC4R
Binding Specificity:	AA 1-50
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MC4R antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MC4 Receptor
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	MC4R
Alternative Name:	MC4 Receptor ( <a href="#">MC4R Products</a> )

## Target Details

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Background:	<p>Synonyms: MC4 R, MC4-R, MC4R, MC4R_HUMAN, Melanocortin 4 receptor, Melanocortin receptor 4, MGC126851, MGC138197.</p> <p>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.</p>
Gene ID:	4160
UniProt:	<a href="#">P32245</a>
Pathways:	<a href="#">Hormone Transport</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Feeding Behaviour</a>

## Application Details

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Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions: For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

## Handling

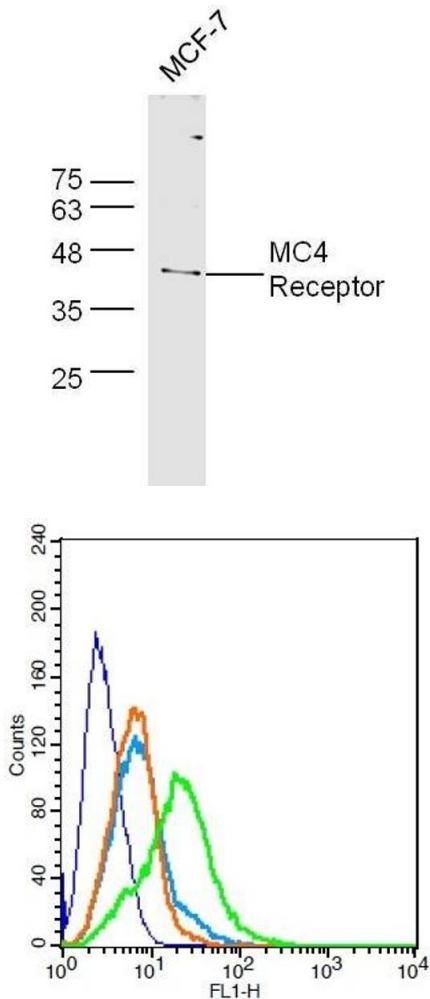
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Images

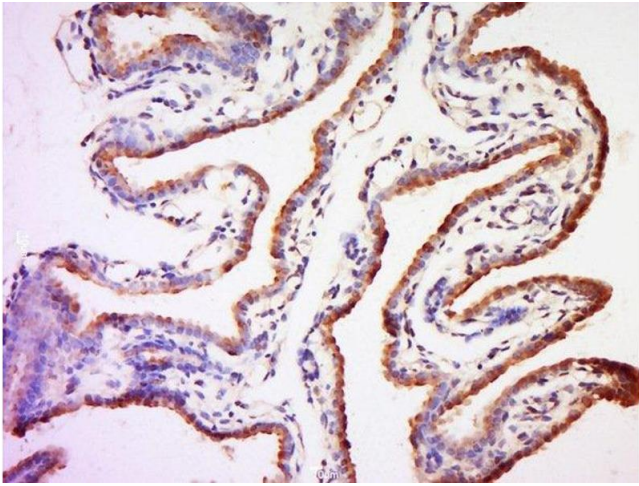


### Western Blotting

**Image 1.** MCF-7 cell lysates probed with Rabbit Anti-MC4 Receptor Polyclonal Antibody, Unconjugated at 1:500 for 90 min at 37°C.

### Flow Cytometry

**Image 2.** RSC96 probed with MC4 Receptor Polyclonal Antibody, Unconjugated at 1:100 for 30 minutes followed by incubation with a conjugated secondary -FITC) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded mouse placenta labeled with Anti-MC4 Receptor Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.