

Datasheet for ABIN2808799

## **anti-MC4R antibody (AA 1-50) (AbBy Fluor® 594)**



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### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | MC4R  |
| Binding Specificity: | AA 1-50   |
| Reactivity:          | Human, Mouse, Rat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This MC4R antibody is conjugated to AbBy Fluor® 594   |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### 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> )                                  |
| Background:       | Synonyms: MC4 R, MC4-R, MC4R, MC4R_HUMAN, Melanocortin 4 receptor, Melanocortin |

## Target Details

receptor 4, MGC126851, MGC138197.

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.

Gene ID: 4160

UniProt: [P32245](#)

Pathways: [Hormone Transport](#), [cAMP Metabolic Process](#), [Feeding Behaviour](#)

## Application Details

Application Notes: FCM 1:20-100  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months