

Anti-MC3 Receptor Picoband Antibody
Catalog # ABO10263**Specification**

Anti-MC3 Receptor Picoband Antibody - Product Information

Application	WB
Primary Accession	P41968
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Melanocortin receptor 3(MC3R) detection. Tested with WB in Human;Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-MC3 Receptor Picoband Antibody - Additional Information

Gene ID 4159

Other Names

Melanocortin receptor 3, MC3-R, MC3R

Calculated MW

36043 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse

Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Tissue Specificity

Brain, placental, and gut tissues.

Protein Name

Melanocortin receptor 3

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human MC3 Receptor (91-121aa NALETIMIAIVHSDYLTTFEDQFIQHMDNIFD), different from the related mouse sequence by six amino acids, and from the related rat sequence by seven amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-MC3 Receptor Picoband Antibody - Protein Information

Name MC3R

Function

Receptor for MSH (alpha, beta and gamma) and ACTH. This receptor is mediated by G proteins which activate adenylate cyclase. Required for expression of anticipatory patterns of activity and wakefulness during periods of limited nutrient availability and for the normal regulation of circadian clock activity in the brain.

Cellular Location

Cell membrane; Multi-pass membrane protein.

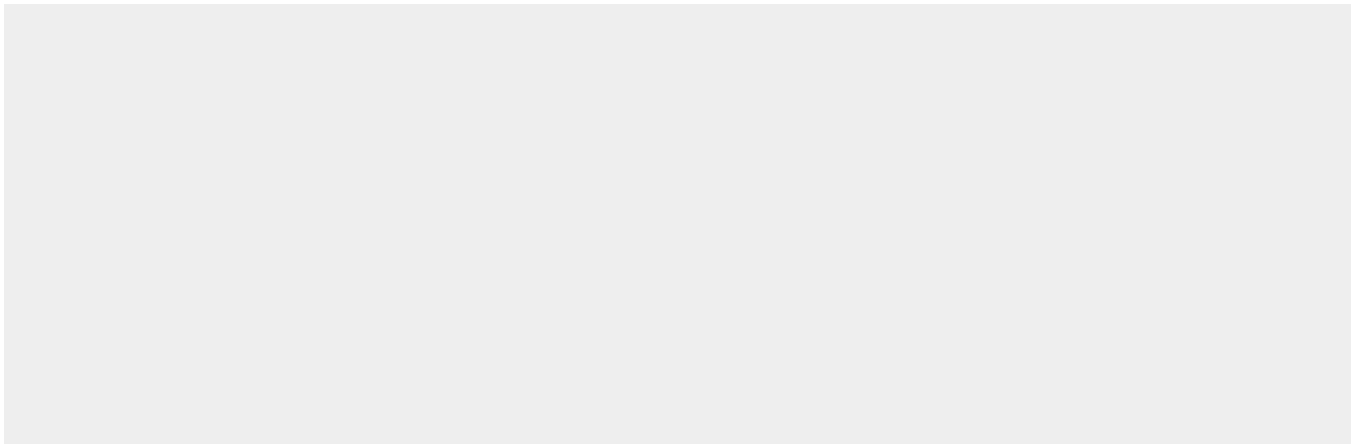
Tissue Location

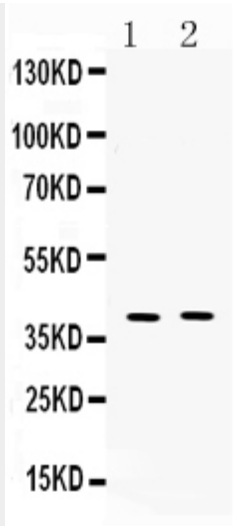
Brain, placental, and gut tissues.

Anti-MC3 Receptor Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-MC3 Receptor Picoband Antibody - Images



Western blot analysis of MC3 Receptor expression in mouse kidney extract (lane 1), and COLO320 whole cell lysates (lane 2). MC3 Receptor at 40KD was detected using rabbit anti- MC3 Receptor Antigen Affinity purified polyclonal antibody (Catalog # ABO10263) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-MC3 Receptor Picoband Antibody - Background

Melanocortin receptor 3 is a protein that in humans is encoded by the MC3R gene. It is mapped to 20q13.2. This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotrophic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy. Mice deficient for this gene have increased fat mass despite decreased food intake, suggesting a role for this gene product in the regulation of energy homeostasis. Mutations in this gene are associated with a susceptibility to obesity in humans.