

Anti-MC2 receptor Picoband Antibody
Catalog # ABO10241**Specification****Anti-MC2 receptor Picoband Antibody - Product Information**

Application	WB
Primary Accession	Q01718
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Adrenocorticotrophic hormone receptor(MC2R) detection. Tested with WB in Human;Mouse.

Reconstitution

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

Anti-MC2 receptor Picoband Antibody - Additional Information

Gene ID 4158

Other Names

Adrenocorticotrophic hormone receptor, ACTH receptor, ACTH-R, Adrenocorticotropin receptor, Melanocortin receptor 2, MC2-R, MC2R, ACTHR

Calculated MW

33927 MW KDa

Application Details

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

Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Tissue Specificity

Melanocytes and corticoadrenal tissue.

Protein Name

Adrenocorticotrophic hormone receptor

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human MC2 receptor (268-297aa NAVIDPFIYAFRSPELRDAFKKMIFCSRYW), different from the related mouse sequence by four amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, 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-MC2 receptor Picoband Antibody - Protein Information

Name MC2R

Synonyms ACTHR

Function

Receptor for corticotropin (ACTH). This receptor is mediated by G proteins (G(s)) which activate adenylate cyclase (cAMP).

Cellular Location

Cell membrane; Multi-pass membrane protein.

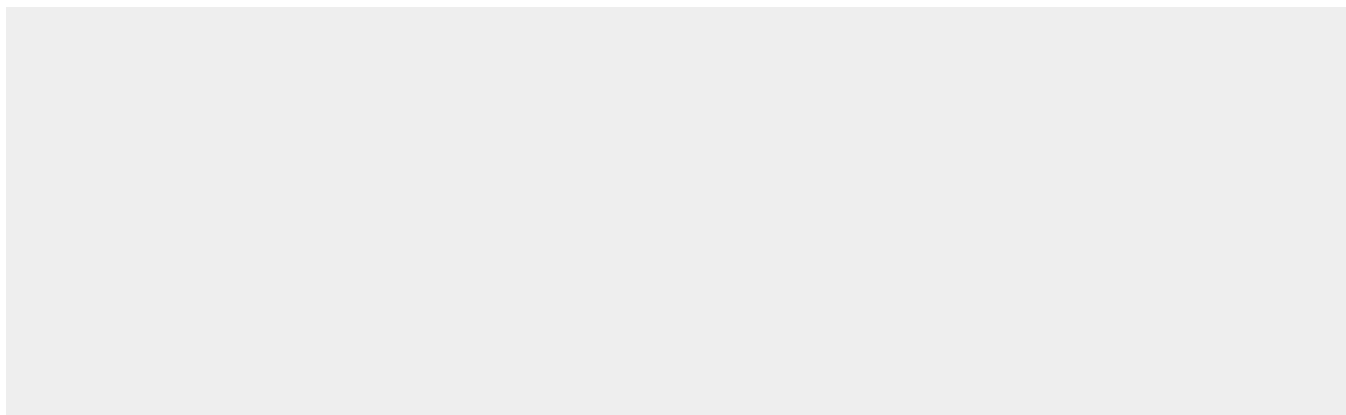
Tissue Location

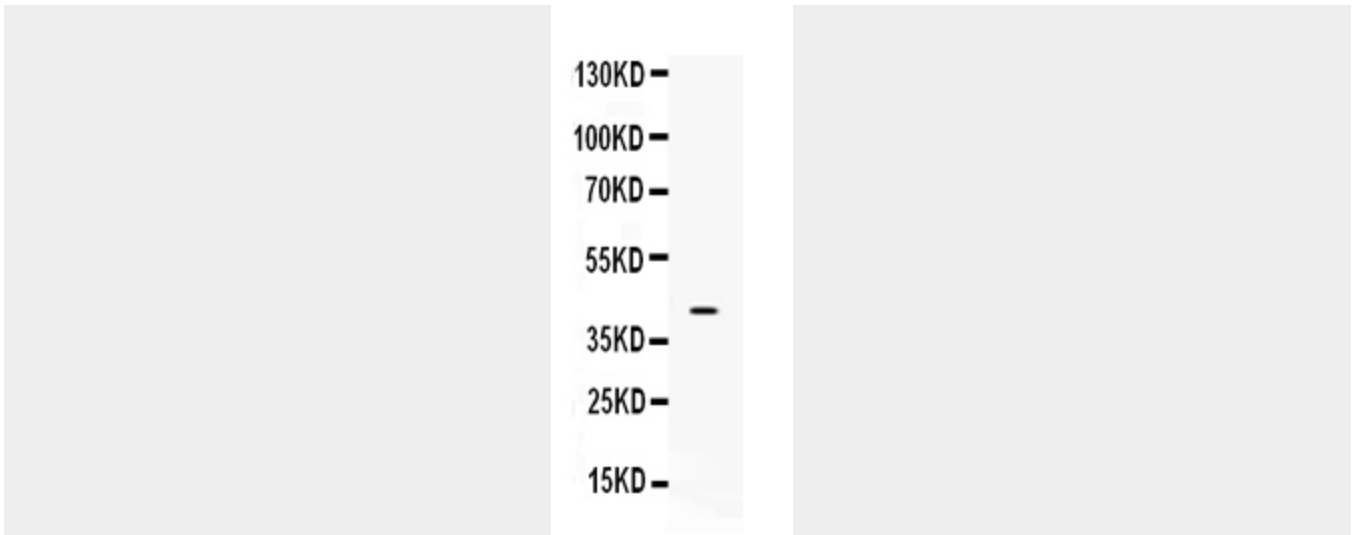
Melanocytes and corticoadrenal tissue.

Anti-MC2 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-MC2 receptor Picoband Antibody - Images



Western blot analysis of MC2 receptor expression in mouse brain extract (lane 1). MC2 receptor at 39KD was detected using rabbit anti- MC2 receptor Antigen Affinity purified polyclonal antibody (Catalog #ABO10241) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-MC2 receptor Picoband Antibody - Background

Melanocortin-2 receptor (MC2R), also known as ACTH receptor (ACTHR), is a member of the G protein-coupled receptor family. This gene is mapped to 18p11.2. MC2R is selectively activated by adrenocorticotrophic hormone, whereas the other four melanocortin receptors recognize a variety of melanocortin ligands. Mutations in MC2R can result in familial glucocorticoid deficiency. Alternate transcript variants have been found for this gene.