

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

Application	WB
Primary Accession	<a href="#">Q01718</a>
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<br>

**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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**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.

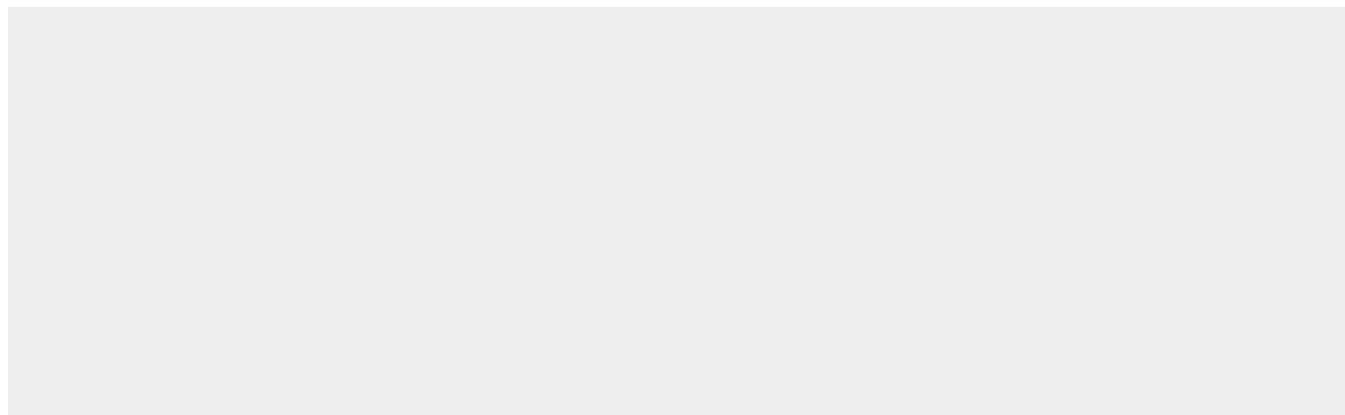
**Tissue Location**

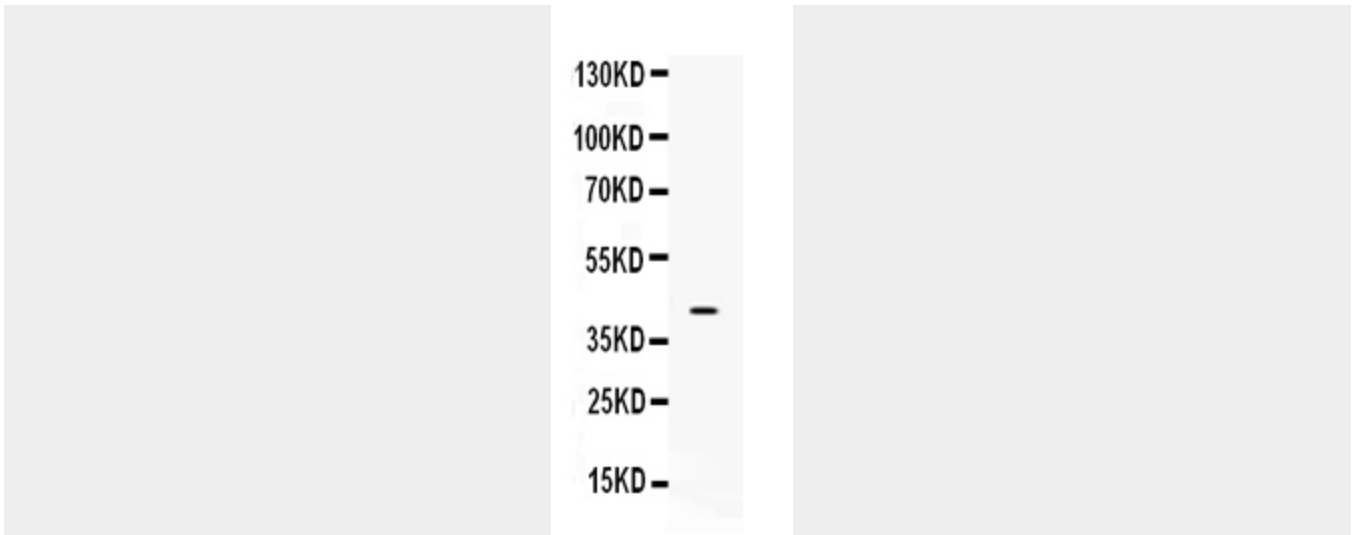
Melanocytes and corticoadrenal tissue.

**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  $\mu$ 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.