

AP01306PU-N**Polyclonal Antibody to MC2-R - Aff - Purified****Alternate names:**

ACTH receptor, ACTH-R, ACTHR, Adrenocorticotrophic hormone receptor, Adrenocorticotropin receptor, MC2R

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

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 examined.

Uniprot ID:

[Q01718](#)

NCBI:

[NP_000520.1](#)

GeneID:

[4158](#)

Host:

Rabbit

Immunogen:

Synthetic peptide, corresponding to amino acids 250-300 of Human MC2-R.

Format:

State: Liquid purified Ig fraction

Purification: Affinity-chromatography using epitope-specific immunogen

Buffer System: Phosphate buffered saline (PBS), pH 7.2.

Preservatives: 0.05% sodium azide

Applications:

Western Blot: 1/500-1/1000.

Immunofluorescence: 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~ 34 kDa

Specificity:

This antibody detects endogenous levels of MC2-R protein. (region surrounding Lys289)

Species Reactivity:

Tested: Human and Mouse.

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Western blot (WB) analysis of Adenosine MC2-R antibody (Cat.-No.: AP01306PU-N) in extracts from HeLa cells.

