

MC2-R Polyclonal Antibody
Catalog # AP70857**Specification**

MC2-R Polyclonal Antibody - Product Information

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

MC2-R Polyclonal Antibody - Additional Information**Gene ID** 4158**Other Names**MC2R; ACTHR; Adrenocorticotrophic hormone receptor; ACTH receptor; ACTH-R;
Adrenocorticotropin receptor; Melanocortin receptor 2; MC2-R**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

MC2-R Polyclonal Antibody - Protein Information**Name** MC2R**Synonyms** ACTHR**Function**

Hormone receptor primarily expressed in adrenal cortex that plays a key role in regulating adrenocortical function (PubMed:36588120). Upon corticotropin (ACTH) binding, facilitates the release of adrenal glucocorticoids, including cortisol and corticosterone. In addition, MC2R is required for fetal and neonatal adrenal gland development (By similarity). Mechanistically, activates adenylate cyclase (cAMP), the MAPK cascade as well as the cAMP- dependent protein kinase A pathway leading to steroidogenic factor 1/NR5A1-mediated transcriptional activation (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

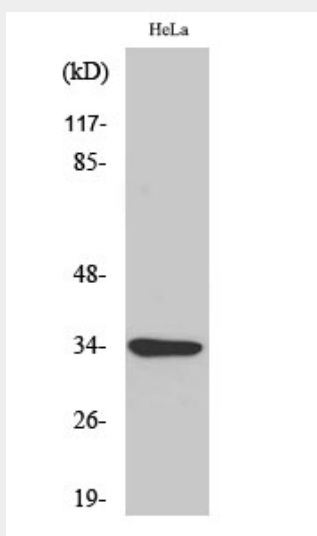
Tissue Location

Melanocytes and corticoadrenal tissue.

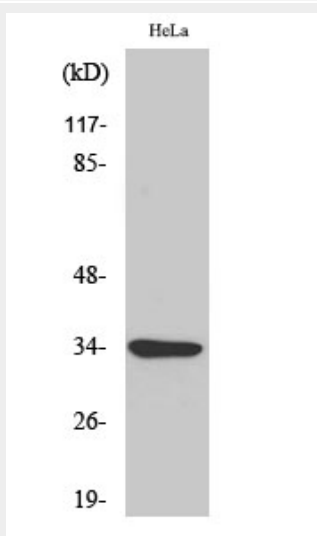
MC2-R Polyclonal Antibody - Protocols

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](#)

MC2-R Polyclonal Antibody - Images

Western Blot analysis of various cells using MC2-R Polyclonal Antibody



Western Blot analysis of various cells using MC2-R Polyclonal Antibody

MC2-R Polyclonal Antibody - Background

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