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MC2-R Polyclonal Antibody

Catalog # AP70857

Product Information

Application	WB, E, IHC-P
Primary Accession	Q01718
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33927

Additional Information

Gene ID	4158
Other Names	MC2R; ACTHR; Adrenocorticotropic 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. E~~N/A IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

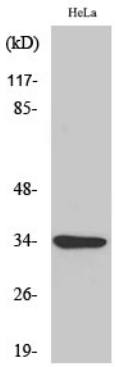
Protein Information

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.

Background

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

Images



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