SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ACTHR antibody

Catalog Number: SL11408R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ACTHR
Immunogen:	KLH conjugated synthetic peptide derived from human MC2 receptor: 67-105/297 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog)
Predicted MW.:	34kDa
Subcellular Location:	The cell membrane
Background:	MC2R encodes one member of the five-member G-protein associated melanocortin receptor family. Melanocortins (melanocyte-stimulating hormones and adrenocorticotropic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is selectively activated by adrenocorticotropic hormone, whereas the other four melanocortin receptors recognize a variety of melanocortin ligands. Mutations in MC2R can result in familial glucocorticoid deficiency. **Function:** Receptor for ACTH. This receptor is mediated by G proteins (G(s)) which activate adenylate cyclase.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subunit: Interacts with FALP/MRAP. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Melanocytes and corticoadrenal tissue. DISEASE: Defects in MC2R are the cause of glucocorticoid deficiency type 1 (GCCD1) [MIM:202200]; also known as familial glucocorticoid deficiency type 1 (FGD1). GCCD1 is an autosomal recessive disorder due to congenital insensitivity or resistance to adrenocorticotropin (ACTH). It is characterized by progressive primary adrenal insufficiency, without mineralocorticoid deficiency. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 483980 Dog **Entrez Gene:** 4158 Human **Entrez Gene:** 17200 Mouse **Entrez Gene:** 282839 Rat Omim: 607397 Human **SwissProt:** Q01718 Human **SwissProt:** Q64326 Mouse **Unigene:** 248144 Human **Unigene:** 426053 Mouse **Unigene:** 92460 Rat

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