

**MC2-R rabbit pAb****Cat#: orb765632 (Manual)**

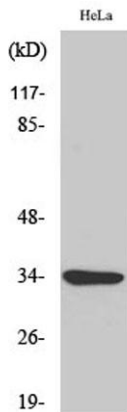
For research use only. Not intended for diagnostic use.

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | MC2-R rabbit pAb  |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;ELISA;IHC  |
| <b>Species Cross-Reactivity</b> | Human;Mouse   |
| <b>Recommended dilutions</b>    | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human ACTHR. AA range:248-297                     |
| <b>Specificity</b>              | MC2-R Polyclonal Antibody detects endogenous levels of MC2-R protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Adrenocorticotrophic hormone receptor   |
| <b>Gene Name</b>                | MC2R  |
| <b>Cellular localization</b>    | Cell membrane; Multi-pass membrane protein.   |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Clonality</b>                | Polyclonal  |

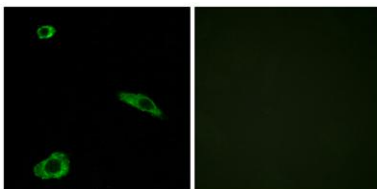
|                                |   |
|--------------------------------|---|
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Observed band</b>           | 34kD  |
| <b>Human Gene ID</b>           | 4158  |
| <b>Human Swiss-Prot Number</b> | Q01718  |
| <b>Alternative Names</b>       | MC2R; ACTHR; Adrenocorticotrophic hormone receptor; ACTH receptor; ACTH-R; Adrenocorticotropin receptor; Melanocortin receptor 2; MC2-R |

**Background**

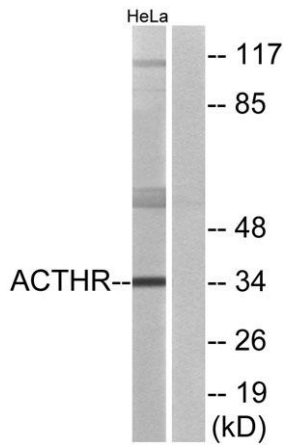
MC2R encodes one member of the five-member G-protein associated melanocortin receptor family. Melanocortins (melanocyte-stimulating hormones and adrenocorticotrophic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is selectively activated by adrenocorticotrophic hormone, whereas 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. [provided by RefSeq, May 2014],



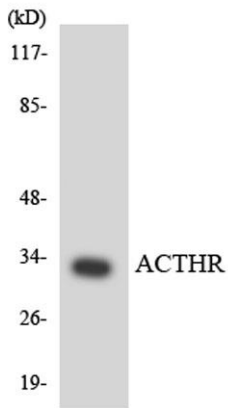
**Western Blot analysis of various cells using MC2-R Polyclonal Antibody**



**Immunofluorescence analysis of MCF7 cells, using ACTHR Antibody. The picture on the right is blocked with the synthesized peptide.**



Western blot analysis of lysates from HeLa cells, using ACTHR Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using ACTHR antibody.