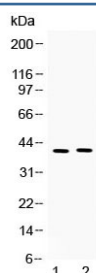


MC3 Receptor Antibody (R32721)

| Catalog No. | Formulation | Size |
|-------------|---|--------|
| R32721 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

Bulk quote request

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity |
| Buffer | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide |
| UniProt | P41968 |
| Applications | Western Blot : 0.5-1ug/ml |
| Limitations | This MC3 Receptor antibody is available for research use only. |



Western blot testing of 1) mouse kidney and 2) human COLO-320 lysate with MC3 Receptor antibody at 0.5ug/ml. Predicted molecular weight ~40 kDa.

Description

Melanocortin receptor 3 is a protein that in humans is encoded by the MC3R gene. It is mapped to 20q13.2. This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotrophic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy. Mice deficient for this gene have increased fat mass despite decreased food intake, suggesting a role for this gene product in the regulation of energy homeostasis. Mutations in this gene are associated with a susceptibility to obesity in humans.

Application Notes

Optimal dilution of the MC3 Receptor antibody should be determined by the researcher.

Immunogen

Amino acids 91-121 (NALETIMIAIVHSDYLTFFEDQFIQHMDNIFD) from the human protein were used as the immunogen for the MC3 Receptor antibody.

Storage

After reconstitution, the MC3 Receptor antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.