

MC4-R (E315) polyclonal antibody

Catalog: BS2811

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

MC4 receptor is the fourth member of the five known melanocortin receptors (MCRs) belonging to the rhodopsin-like family of G protein-coupled receptors (GPCRs). These five MCRs form a unique family of GPCRs, marked by their unusually short coding sequence and the absence of highly conserved amino acid residues or motifs common to most GPCRs. All MCRs signal through the cyclic adenosine 3', 5'-monophosphate (cAMP) pathway. With the exception of MC2R, all MCRs are activated by both adrenocorticotropin (ACTH) and melanocyte-stimulating hormones (MSHs and mainly α -MSH). The MC4R receptor is expressed primarily in the brain, and unlike the other melanocortin receptors, MC4R is not expressed in adrenal cortex or in melanocytes. Genetic studies of mice and humans have established a critical role of MC4 Receptor in appetite regulation. Heterozygous mutations in MC4 Receptor account for 1-6% of severe cases of human obesity.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 37 kDa

Swiss-Prot:

P32245

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

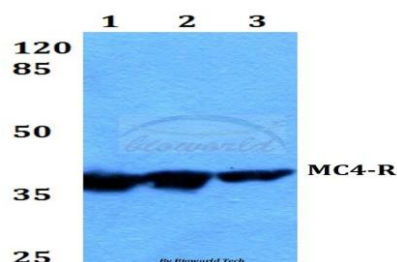
IHC: 1:50~1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

MC4-R (E315) polyclonal antibody detects endogenous levels of MC4-R protein.

DATA:**Note:**

For research use only, not for use in diagnostic procedure.

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