

## MC4R Polyclonal Antibody

<b>CATALOG #:</b>	3936-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 301 of mouse MC4R
<b>INTERNAL ID#:</b>	BV-H12A
<b>HOST:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-mouse MCR4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA, and 0.01% thimerosal.

### STORAGE CONDITIONS:

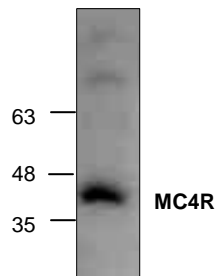
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

MC4R (Melanocortin-4 receptor) belongs to the GPCR superfamily that is responsible for multiple signal transduction pathway which includes the cAMP and MAPK signaling pathways. Expression of MC4R has been reported in brain. From genetic studies of mice and humans, it was established that MC4 receptor plays a critical role in appetite regulation. Mutation in the MC4R gene is associated with obesity in humans.

### APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3936BP-50) is available separately.



**Cat.#: 3936-100 MC4-R Antibody.** Western blot analysis of MC4R with 3T3 cell lysate.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

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- Mammalian Cell Extraction Kit
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