

**AP01217PU-N****Polyclonal Antibody to MCHR2 / GPR145 - Aff - Purified****Alternate names:**

G-protein coupled receptor 145, GPRv17, MCH receptor 2, MCH-2R, MCH-R2, MCHR-2, Melanin-concentrating hormone receptor 2, SLT

**Quantity:**

0.1 mg

**Concentration:**

1.0 mg/ml

**Background:**

Melanin-concentrating hormone (MCH) is a 19 amino acid cyclic neuropeptide, which is mainly expressed in the hypothalamus. MCH modulates feeding behavior, aggression, anxiety, arousal and reproductive function in mammals by controlling the release of luteinizing hormone (LH). The melanin-concentrating hormone receptor (MCHR, also designated SLC-1) is a glycosylated G-protein coupled receptor that migrates between 45-50 kDa on SDS-PAGE. MCHR mediates the effects of MCH through Gai and/or Gaq signaling and is expressed in several regions of the brain, including the cerebral cortex, amygdala, thalamus and hypothalamus. MCH and MCHR have also been implicated in stimulating leptin expression and secretion in adipocytes, which suggests that the melanin-concentrating hormone and its receptor may be potential targets for modulating obesity.

**Uniprot ID:**

[Q969V1](#)

**NCBI:**

[NP\\_001035269.1](#)

**GeneID:**

[84539](#)

**Host:**

Rabbit

**Immunogen:**

Synthetic peptide, corresponding to amino acids 300-348 of Human MCH-2R.

**Format:**

**State:** Liquid purified Ig fraction (> 95% pure by SDS-PAGE).

**Purification:** Affinity Chromatography using epitope-specific immunogen.

**Buffer System:** Phosphate buffered saline (PBS), pH~7.2

**Preservatives:** 0.05% Sodium Azide

**Applications:**

**Western Blot:** 1/500-1/1000.

**Immunofluorescence:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Molecular Weight:**

~ 38 kDa

**Specificity:**

This antibody detects endogenous levels of MCH-2R protein. (region surrounding Met332)

**Species Reactivity:**

**Tested:** Human.

**Expected from sequence similarity:** Mouse and Rat.

**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: One year from despatch.

**Pictures:**

**Western blot (WB)** analysis of MCH-2R antibody (Cat.-No.: AP01217PU-N) in extracts from HUVEC cells.

