

Product datasheet for **AP01217PU-N**

MCH2 (MCHR2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 300-348 of Human MCH-2R.
Specificity:	This antibody detects endogenous levels of MCH-2R protein. (region surrounding Met332)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 38 kDa
Gene Name:	melanin concentrating hormone receptor 2
Database Link:	Entrez Gene 84539 Human Q969V1



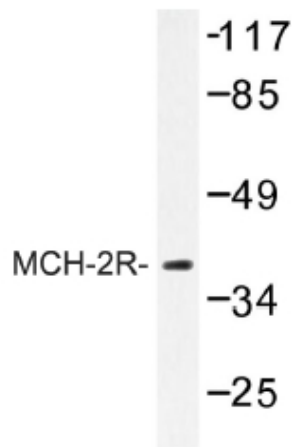
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Background:

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.

Synonyms:

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

Product images:

Western blot (WB) analysis of MCH-2R antibody in extracts from HUVEC cells.