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PMCH Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5528c

Specification

PMCH Antibody (Center) Blocking peptide - Product Information

Primary Accession	P20382
Other Accession	NP_002665.2

PMCH Antibody (Center) Blocking peptide - Additional Information

Gene ID 5367

Other Names
Pro-MCH, Neuropeptide-glycine-glutamic acid, NGE, Neuropeptide G-E, Neuropeptide-glutamic acid-isoleucine, NEI, Neuropeptide E-I, Melanin-concentrating hormone, MCH, PMCH, MCH

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PMCH Antibody (Center) Blocking peptide - Protein Information

Name PMCH

Synonyms MCH

Function
MCH may act as a neurotransmitter or neuromodulator in a broad array of neuronal functions directed toward the regulation of goal-directed behavior, such as food intake, and general arousal. May also have a role in spermatocyte differentiation.

Cellular Location
Secreted.

Tissue Location
Predominantly expressed in lateral hypothalamus, also detected in pallidum, neocortex and cerebellum. Also found in thymus, brown adipose tissue, duodenum and testis (spermatogonia, early spermatocytes and Sertoli cells). No expression in peripheral blood. In brain exclusively mature MCH and NEI peptides are present. In peripheral tissues a large product, encompassing the NEI and MCH domains of the precursor, is found predominantly

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PMCH Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PMCH Antibody (Center) Blocking peptide - Images

PMCH Antibody (Center) Blocking peptide - Background

The melanin-concentrating hormone (MCH) is a cyclicneuropeptide isolated initially from salmon pituitary gland andlater from rat hypothalamus (summarized by Nahon et al., 1992[PubMed 1572663]). In mammals, MCH perikarya are confined largelyto the lateral hypothalamus and zona incerta area with extensiveneuronal projections throughout the brain, including theneurohypophysis. The anatomic distribution suggests aneurotransmitter or neuromodulator role for MCH in a broad array ofneuronal functions directed toward the regulation of goal-directedbehavior, such as food intake, and general arousal. MCH and 2 otherputative neuropeptides, NEI and NGE, are encoded by the sameprecursor and appear colocalized in nerve cells and in manyinstances within the projections. The precursor is designatedpro-melanin-concentrating hormone (PMCH).

PMCH Antibody (Center) Blocking peptide - References

Kim, J.J., et al. J. Hum. Genet. 55(1):27-31(2010)Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009) :Aziz, A., et al. Brain Pathol. 18(4):474-483(2008)Kokkotou, E., et al. Proc. Natl. Acad. Sci. U.S.A. 105(30):10613-10618(2008)