10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MCH Antibody

Catalog # AP61133

Product Information

Application	WB
Primary Accession	P20382
Reactivity	Human, Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18679

Additional Information

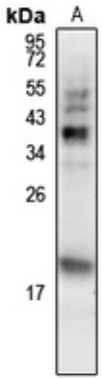
Gene ID	5367
Other Names	MCH; Pro-MCH
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MCH. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	PMCH (HGNC:9109)
Synonyms	MCH
Function	[Melanin-concentrating hormone]: Neuropeptide ligand for the G protein-coupled receptor MCHR1 and MCHR2 that can activate both G(i/o)- and G(q/11)-dependent signaling pathways (PubMed:15340116, PubMed:38710677, PubMed:39616153). Acts as a neuromodulator in the central nervous system, promoting feeding, positive energy balance (orexigenic) and sleep. Inhibits stimulated ACTH release (lowering plasma glucocorticoids), consistent with a role in down-regulating hypothalamic-pituitary-adrenal (HPA) axis activity. Functionally antagonizes melanotropin alpha (alpha-MSH), opposing its inhibitory effect on food intake and exploratory behaviors and its stimulatory effect on the HPA axis. Antagonizes NEI-induced behavioral effects (By similarity). May also participate in spermatocyte differentiation (By similarity).
Cellular Location	[Melanin-concentrating hormone]: Secreted

Tissue Location	[Melanin-concentrating hormone]: Expressed in lateral hypothalamus. 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 peripheral tissues a large product, encompassing the NEI and MCH domains of the precursor, is found predominantly

Images



Western blot analysis of MCH expression in U87MG (A) whole cell lysates. (Predicted band size: 18 kD; Observed band size: 18 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.