

Rabbit anti-Human, mouse PMCH Polyclonal Antibody | anti-PMCH antibody

PMCH Antibody (Center)

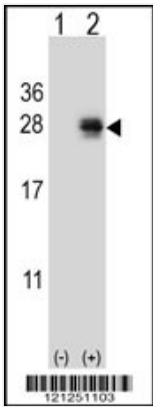
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289305	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

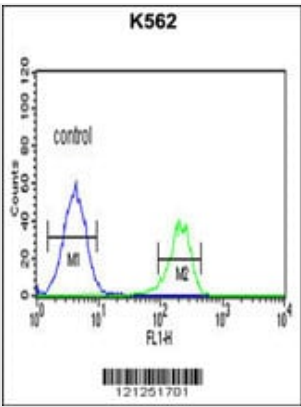
PMCH; Polyclonal Antibody; PMCH Antibody (Center); Pro-MCH; Neuropeptide-glycine-glutamic acid; NGE; Neuropeptide G-E; Neuropeptide-glutamic acid-isoleucine; NEI; Neuropeptide E-I; Melanin-concentrating hormone; MCH; anti-PMCH antibody

PRODUCT SPECIFICATIONS

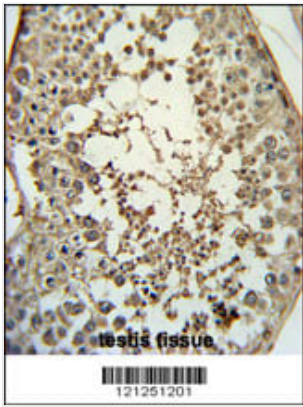
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PMCH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 94-122 amino acids from the Central region of human PMCH.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	94-122
Sequence Length	165
Applicable Applications for anti-PMCH antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



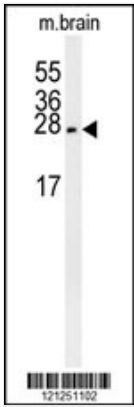
WB (Western Blot)
Western blot analysis of PMCH (arrow) using rabbit polyclonal PMCH Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PMCH gene.



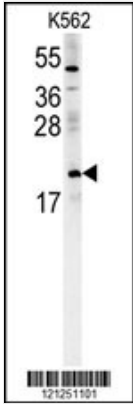
FCM/FACS (Flow Cytometry)
PMCH Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
PMCH Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PMCH Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PMCH Antibody (Center) western blot analysis in mouse brain tissue lysates (15ug/lane).This demonstrates the PMCH antibody detected the PMCH protein (arrow).



WB (Western Blot)
PMCH Antibody (Center) western blot analysis in K562 cell line lysates (15ug/lane).This demonstrates the PMCH antibody detected the PMCH protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PMCH antibody	The melanin-concentrating hormone (MCH) is a cyclic neuropeptide isolated initially from salmon pituitary gland and later from rat hypothalamus (summarized by Nahon et al., 1992 [PubMed 1572663]). In mammals, MCH perikarya are confined largely to the lateral hypothalamus and zona incerta area with extensive neuronal projections throughout the brain, including the neurohypophysis. The anatomic distribution suggests a neurotransmitter or neuromodulator role for MCH in a broad array of neuronal functions directed toward the regulation of goal-directed behavior, such as food intake, and general arousal. MCH and 2 other putative neuropeptides, NEI and NGE, are encoded by the same precursor and appear colocalized in nerve cells and in many instances within the projections. The precursor is designated pro-melanin-concentrating hormone (PMCH).
Product Categories/Family for anti-PMCH antibody	Neuroscience; Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	71361684
NCBI GeneID	5367
NCBI Accession #	NP_002665.2
NCBI GenBank Nucleotide #	NM_002674.2
UniProt Accession #	P20382; Q16044; Q8WVG0
Molecular Weight	18679
NCBI Official Full Name	pro-MCH preproprotein
NCBI Official Synonym Full Names	pro-melanin-concentrating hormone
NCBI Official Symbol	PMCH
NCBI Official Synonym Symbols	MCH
NCBI Protein Information	pro-MCH
UniProt Protein Name	Pro-MCH
UniProt Gene Name	PMCH
UniProt Synonym Gene Names	MCH; NGE; Neuropeptide G-E; NEI; Neuropeptide E-I; MCH
UniProt Entry Name	MCH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.