

Resource Summary Report

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Anti-Melanocyte Stimulating Hormone, alpha

RRID:AB_91683

Type: Antibody

Proper Citation

Millipore Cat# AB5087, RRID:AB_91683

Antibody Information

URL: http://antibodyregistry.org/AB_91683

Proper Citation: Millipore Cat# AB5087, RRID:AB_91683

Target Antigen: Melanocyte Stimulating Hormone alpha

Clonality: polyclonal

Comments: seller recommendations: IH, RIA; Radioimmunoassay; Immunohistochemistry

Antibody Name: Anti-Melanocyte Stimulating Hormone, alpha

Description: This polyclonal targets Melanocyte Stimulating Hormone alpha

Target Organism: ma

Defining Citation: [PMID:23696474](#), [PMID:20533364](#)

Antibody ID: AB_91683

Vendor: Millipore

Catalog Number: AB5087

Record Creation Time: 20250820T062723+0000

Record Last Update: 20250821T000956+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Melanocyte Stimulating Hormone, alpha.

No alerts have been found for Anti-Melanocyte Stimulating Hormone, alpha.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Shen Y, et al. (2025) m6A deficiency impairs hypothalamic neurogenesis of feeding-related neurons in mice and human organoids and leads to adult obesity in mice. *Cell stem cell*, 32(5), 727.

Yin K, et al. (2024) Tak1 licenses mitochondrial transfer from astrocytes to POMC neurons to maintain glucose and cholesterol homeostasis. *Cell reports*, 43(12), 114983.

Oya M, et al. (2024) Age-related ciliopathy: Obesogenic shortening of melanocortin-4 receptor-bearing neuronal primary cilia. *Cell metabolism*.

de Souza GO, et al. (2022) Characterization of the metabolic differences between male and female C57BL/6 mice. *Life sciences*, 301, 120636.

Shakya M, et al. (2022) The G209R mutant mouse as a model for human PCSK1 polyendocrinopathy. *Endocrinology*, 163(5).

Jin S, et al. (2021) Drp1 is required for AgRP neuronal activity and feeding. *eLife*, 10.

Surbhi , et al. (2021) Adult-born proopiomelanocortin neurons derived from Rax-expressing precursors mitigate the metabolic effects of congenital hypothalamic proopiomelanocortin deficiency. *Molecular metabolism*, 53, 101312.

Kang GM, et al. (2021) Mitohormesis in Hypothalamic POMC Neurons Mediates Regular Exercise-Induced High-Turnover Metabolism. *Cell metabolism*, 33(2), 334.

Shakya M, et al. (2021) Mice lacking PC1/3 expression in POMC-expressing cells do not develop obesity. *Endocrinology*, 162(6).

Quaresma PGF, et al. (2021) Leptin Receptor Expression in GABAergic Cells is Not Sufficient to Normalize Metabolism and Reproduction in Mice. *Endocrinology*, 162(11).

Gómez-Valadés AG, et al. (2021) Mitochondrial cristae-remodeling protein OPA1 in POMC neurons couples Ca²⁺ homeostasis with adipose tissue lipolysis. *Cell metabolism*, 33(9), 1820.

Ortuño MJ, et al. (2021) Melanocortin 4 receptor stimulation prevents antidepressant-associated weight gain in mice caused by long-term fluoxetine exposure. *The Journal of clinical investigation*, 131(24).

Singh O, et al. (2020) Concurrent changes in photoperiod-induced seasonal phenotypes and hypothalamic CART peptide-containing systems in night-migratory redheaded buntings. *Brain structure & function*, 225(9), 2775.

Bruschetta G, et al. (2020) MC4R Signaling in Dorsal Raphe Nucleus Controls Feeding, Anxiety, and Depression. *Cell reports*, 33(2), 108267.

Diniz GB, et al. (2020) Ciliary melanin-concentrating hormone receptor 1 (MCHR1) is widely distributed in the murine CNS in a sex-independent manner. *Journal of neuroscience research*, 98(10), 2045.

Rocha MLM, et al. (2020) Malnourishment during early lactation disrupts the ontogenetic distribution of the CART and α -MSH anorexigenic molecules in the arcuate/paraventricular pathway and lateral hypothalamus in male rats. *Brain research*, 1743, 146906.

Campos AMP, et al. (2020) Differences between rats and mice in the leptin action on the paraventricular nucleus of the hypothalamus: Implications for the regulation of the hypothalamic-pituitary-thyroid axis. *Journal of neuroendocrinology*, 32(9), e12895.

van der Klaauw AA, et al. (2019) Human Semaphorin 3 Variants Link Melanocortin Circuit Development and Energy Balance. *Cell*, 176(4), 729.

Jarvela TS, et al. (2019) Reduced Stability and pH-Dependent Activity of a Common Obesity-Linked PCSK1 Polymorphism, N221D. *Endocrinology*, 160(11), 2630.

Kamitakahara A, et al. (2018) A critical period for the trophic actions of leptin on AgRP neurons in the arcuate nucleus of the hypothalamus. *The Journal of comparative neurology*, 526(1), 133.