

Resource Summary Report

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ER? Antibody (MC-20)

RRID:AB_631470

Type: Antibody

Proper Citation

(Santa Cruz Biotechnology Cat# sc-542, RRID:AB_631470)

Antibody Information

URL: http://antibodyregistry.org/AB_631470

Proper Citation: (Santa Cruz Biotechnology Cat# sc-542, RRID:AB_631470)

Target Antigen: ER?

Host Organism: rabbit

Clonality: polyclonal

Comments: Discontinued: 2016; Applications: ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Immunohistochemistry(P), Immunoprecipitation, Western Blot

Antibody Name: ER? Antibody (MC-20)

Description: This polyclonal targets ER?

Target Organism: rat, mouse, human

Clone ID: MC-20

Defining Citation: [PMID:18393295](#)

Antibody ID: AB_631470

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-542

Record Creation Time: 20231110T043749+0000

Record Last Update: 20241115T104221+0000

Ratings and Alerts

No rating or validation information has been found for ER? Antibody (MC-20).

Warning: Discontinued: 2016

Discontinued: 2016; Applications: ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Immunohistochemistry(P), Immunoprecipitation, Western Blot

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 62 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Banks DB, et al. (2024) Nongenomic ER?-AMPK Signaling Regulates Sex-Dependent Bcrp Transport Activity at the Blood-Brain Barrier. *Endocrinology*, 165(8).

Tosi G, et al. (2024) Cancer cell stiffening via CoQ10 and UBIAD1 regulates ECM signaling and ferroptosis in breast cancer. *Nature communications*, 15(1), 8214.

Kunimura Y, et al. (2024) Chronic estradiol exposure suppresses luteinizing hormone surge without affecting kisspeptin neurons and estrogen receptor alpha in anteroventral periventricular nucleus†. *Biology of reproduction*, 110(1), 90.

Rybka KA, et al. (2023) Sex differences in androgen receptor, estrogen receptor alpha, and c-Fos co-expression with corticotropin releasing factor expressing neurons in restrained adult mice. *Hormones and behavior*, 156, 105448.

Tong JH, et al. (2023) Chronic Exposure to Low Levels of Parabens Increases Mammary Cancer Growth and Metastasis in Mice. *Endocrinology*, 164(3).

Nybo ML, et al. (2023) Loss of Adgra3 causes obstructive azoospermia with high penetrance in male mice. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 37(2), e22781.

Anstine LJ, et al. (2023) TLE3 Sustains Luminal Breast Cancer Lineage Fidelity to Suppress Metastasis. *Cancer research*, 83(7), 997.

Malik N, et al. (2023) Dysregulation of Mitochondrial Translation Caused by CBFB Deficiency Cooperates with Mutant PIK3CA and Is a Vulnerability in Breast Cancer. *Cancer research*, 83(8), 1280.

Qin G, et al. (2023) Distinct niche structures and intrinsic programs of fallopian tube and ovarian surface epithelial cells. *iScience*, 26(1), 105861.

Zhao H, et al. (2023) Stromal cells-specific retinoic acid determines parturition timing at single-cell and spatial-temporal resolution. *iScience*, 26(10), 107796.

Alhallak I, et al. (2023) A Pilot Study on the Co-existence of Diabetes and Endometriosis in Reproductive-Age Women: Potential for Endometriosis Progression. *Reproductive sciences* (Thousand Oaks, Calif.).

Le AA, et al. (2022) Prepubescent female rodents have enhanced hippocampal LTP and learning relative to males, reversing in adulthood as inhibition increases. *Nature neuroscience*, 25(2), 180.

Zuo Q, et al. (2022) Targeting Metabolic Adaptations in the Breast Cancer-Liver Metastatic Niche Using Dietary Approaches to Improve Endocrine Therapy Efficacy. *Molecular cancer research : MCR*, 20(6), 923.

Henriques PC, et al. (2022) Hypothalamic Expression of Estrogen Receptor Isoforms Underlies Estradiol Control of Luteinizing Hormone in Female Rats. *Endocrinology*, 163(8).

Arao Y, et al. (2022) A Novel Mouse Model to Analyze Non-Genomic ER? Physiological Actions. *Journal of the Endocrine Society*, 6(9), bvac109.

Pinto CA, et al. (2022) Effects of chronic tamoxifen treatment in female rat sexual behaviour. *Heliyon*, 8(12), e12362.

Wang R, et al. (2021) Hormonally Regulated Myogenic miR-486 Influences Sex-specific Differences in Cancer-induced Skeletal Muscle Defects. *Endocrinology*, 162(10).

Albernaz ESS, et al. (2021) The prostate of the bat *Artibeus lituratus*: Seasonal variations, abiotic regulation, and hormonal control. *Journal of morphology*, 282(8), 1188.

Yang Y, et al. (2021) Functional cooperation between co-amplified genes promotes aggressive phenotypes of HER2-positive breast cancer. *Cell reports*, 34(10), 108822.

Xu Y, et al. (2021) ER? is an RNA-binding protein sustaining tumor cell survival and drug resistance. *Cell*, 184(20), 5215.