Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 6, 2025

ESR1-human

RRID:AB_631471
Type: Antibody

Proper Citation

(Santa Cruz Biotechnology Cat# sc-543, RRID:AB_631471)

Antibody Information

URL: http://antibodyregistry.org/AB_631471

Proper Citation: (Santa Cruz Biotechnology Cat# sc-543, RRID:AB_631471)

Target Antigen: ESR1

Host Organism: rabbit

Clonality: polyclonal

Comments: Discontinued: 2016; ENCODE PROJECT External validation DATA SET is released testing lot C2510 for not specified; status is not eligible for new data
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Antibody Name: ESR1-human

Description: This polyclonal targets ESR1

Target Organism: homo sapiens

Antibody ID: AB_631471

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-543

Record Creation Time: 20241017T002528+0000

Record Last Update: 20241017T021014+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: C2510 is available under ENCODE ID: ENCAB000AGD - ENCODE https://www.encodeproject.org/antibodies/ENCAB000AGD

Warning: Discontinued: 2016
Discontinued: 2016; ENCODE PROJECT External validation DATA SET is released testing lot C2510 for not specified; status is not eligible for new data
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 38 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Lopes-Paciencia S, et al. (2024) A senescence restriction point acting on chromatin integrates oncogenic signals. Cell reports, 43(4), 114044.

Graceli JB, et al. (2024) Role for Nongenomic Estrogen Signaling in Male Fertility. Endocrinology, 165(3).

Oturkar CC, et al. (2024) ESR1 and p53 interactome alteration defines mechanisms of tamoxifen response in luminal breast cancer. iScience, 27(6), 109995.

Hermida-Prado F, et al. (2023) Endocrine Therapy Synergizes with SMAC Mimetics to Potentiate Antigen Presentation and Tumor Regression in Hormone Receptor-Positive Breast Cancer. Cancer research, 83(19), 3284.

Loers G, et al. (2023) The Interactions of the 70 kDa Fragment of Cell Adhesion Molecule L1 with Topoisomerase 1, Peroxisome Proliferator-Activated Receptor ? and NADH Dehydrogenase (Ubiquinone) Flavoprotein 2 Are Involved in Gene Expression and Neuronal L1-Dependent Functions. International journal of molecular sciences, 24(3).

Wang Z, et al. (2023) Extracellular vesicles in fatty liver promote a metastatic tumor microenvironment. Cell metabolism, 35(7), 1209.

Kleene R, et al. (2023) The KDET Motif in the Intracellular Domain of the Cell Adhesion

Molecule L1 Interacts with Several Nuclear, Cytoplasmic, and Mitochondrial Proteins Essential for Neuronal Functions. International journal of molecular sciences, 24(2).

Antal CE, et al. (2023) A super-enhancer-regulated RNA-binding protein cascade drives pancreatic cancer. Nature communications, 14(1), 5195.

Fu X, et al. (2023) High FOXA1 levels induce ER transcriptional reprogramming, a pro-metastatic secretome, and metastasis in endocrine-resistant breast cancer. Cell reports, 42(8), 112821.

La Greca A, et al. (2022) Chromatin topology defines estradiol-primed progesterone receptor and PAX2 binding in endometrial cancer cells. eLife, 11.

Li Z, et al. (2022) Hotspot ESR1 Mutations Are Multimodal and Contextual Modulators of Breast Cancer Metastasis. Cancer research, 82(7), 1321.

Wang Y, et al. (2022) TXNIP Links Anticipatory Unfolded Protein Response to Estrogen Reprogramming Glucose Metabolism in Breast Cancer Cells. Endocrinology, 163(1).

Song D, et al. (2022) ER? and ER? Homodimers in the Same Cellular Context Regulate Distinct Transcriptomes and Functions. Frontiers in endocrinology, 13, 930227.

Lee JH, et al. (2021) Enhancer RNA m6A methylation facilitates transcriptional condensate formation and gene activation. Molecular cell, 81(16), 3368.

Everts HB, et al. (2021) Estrogen regulates the expression of retinoic acid synthesis enzymes and binding proteins in mouse skin. Nutrition research (New York, N.Y.), 94, 10.

Garnett S, et al. (2021) Metabolic Regulator IAPP (Amylin) Is Required for BRAF and RAS Oncogene-Induced Senescence. Molecular cancer research : MCR, 19(5), 874.

Stauffer KM, et al. (2021) MLL3 is a de novo cause of endocrine therapy resistance. Cancer medicine, 10(21), 7692.

Sottnik JL, et al. (2021) Mediator of DNA Damage Checkpoint 1 (MDC1) Is a Novel Estrogen Receptor Coregulator in Invasive Lobular Carcinoma of the Breast. Molecular cancer research : MCR, 19(8), 1270.

Sreekumar S, et al. (2020) Differential Regulation and Targeting of Estrogen Receptor ? Turnover in Invasive Lobular Breast Carcinoma. Endocrinology, 161(9).

Zheng ZY, et al. (2020) Neurofibromin Is an Estrogen Receptor-? Transcriptional Co-repressor in Breast Cancer. Cancer cell, 37(3), 387.