

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

EGR1-human

RRID:AB_2097035

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4154, RRID:AB_2097035

Antibody Information

URL: http://antibodyregistry.org/AB_2097035

Proper Citation: Cell Signaling Technology Cat# 4154, RRID:AB_2097035

Target Antigen: EGR1

Host Organism: rabbit

Clonality: monoclonal

Comments: ENCODE PROJECT External validation DATA SET is released testing lot 3 for K562; status is not eligible for new data; The following antibodies were determined to be duplicates and consolidated by curator on 11/2018: AB_10694636, AB_2097035.

Antibody Name: EGR1-human

Description: This monoclonal targets EGR1

Target Organism: homo sapiens

Antibody ID: AB_2097035

Vendor: Cell Signaling Technology

Catalog Number: 4154

Record Creation Time: 20250820T035356+0000

Record Last Update: 20250820T172851+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 3 is available under ENCODE ID: ENCAB528EUL - ENCODE
<https://www.encodeproject.org/antibodies/ENCAB528EUL>

No alerts have been found for EGR1-human.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Wang Z, et al. (2025) Synergistic role of gut-microbial L-ornithine in enhancing ustekinumab efficacy for Crohn's disease. *Cell metabolism*, 37(5), 1089.

DiPeso L, et al. (2025) Image-based identification and isolation of micronucleated cells to dissect cellular consequences. *eLife*, 13.

Lin YF, et al. (2025) Gonadotropin-releasing hormone regulates transcription of the inhibin B co-receptor, TGFBR3L, via early growth response one. *The Journal of biological chemistry*, 301(4), 108405.

Ben-Crentsil NA, et al. (2024) RNA Shielding of p65 Is Required to Potentiate Oncogenic Inflammation in TET2-Mutated Clonal Hematopoiesis. *Cancer discovery*, 14(12), 2509.

Couto Pereira NS, et al. (2023) Aversive memory reactivation: A possible role for delta oscillations in the hippocampus-amygdala circuit. *Journal of neuroscience research*, 101(1), 48.

Brito V, et al. (2022) Hippocampal Egr1-Dependent Neuronal Ensembles Negatively Regulate Motor Learning. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(27), 5346.

Zhao H, et al. (2022) Opioid receptor signaling suppresses leukemia through both catalytic and non-catalytic functions of TET2. *Cell reports*, 38(4), 110253.

He J, et al. (2021) Myeloid Fbxw7 Prevents Pulmonary Fibrosis by Suppressing TGF-?? Production. *Frontiers in immunology*, 12, 760138.

Zhao J, et al. (2021) EGR1 promotes stemness and predicts a poor outcome of uterine cervical cancer by inducing SOX9 expression. *Genes & genomics*, 43(5), 459.

Bondy-Chorney E, et al. (2020) A Broad Response to Intracellular Long-Chain Polyphosphate in Human Cells. *Cell reports*, 33(4), 108318.

Schmidt K, et al. (2019) The lncRNA SLNCR Recruits the Androgen Receptor to EGR1-Bound Genes in Melanoma and Inhibits Expression of Tumor Suppressor p21. *Cell*

reports, 27(8), 2493.

Kim J, et al. (2019) NGFI-A Binding Protein 2 Promotes EGF-Dependent HNSCC Cell Invasion. *Cancers*, 11(3).

Tsuchiya T, et al. (2017) System identification of signaling dependent gene expression with different time-scale data. *PLoS computational biology*, 13(12), e1005913.