

Resource Summary Report

Generated by ASWG on Sep 4, 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: 20231110T070212+0000

Record Last Update: 20260901T002351+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 17 mentions in open access literature.

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

Wang Y, et al. (2026) 5-HT2A receptors in the prelimbic cortex VIP-expressing interneurons: A mechanism for psychedelic-induced innate fear attenuation. British journal of pharmacology, 183(14), 4072.

Zhang HY, et al. (2026) Cocaine-Induced Immediate-Early Gene Expression in the Nucleus Accumbens: Roles of Separate cAMP Sensors. Journal of neurochemistry, 170(4), e70374.

Dubourg V, et al. (2026) Angiotensin II prevents the metabolic but not the transdifferentiating effect of EGF on vascular smooth muscle cells from human female donors. iScience, 29(6), 115886.

Bruckmueller H, et al. (2026) The dual specificity phosphatase 2 act as distal regulatory node in T cell signaling. iScience, 29(8), 116690.

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- β 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.