

Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

EGR1-human

RRID:AB_2097038

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4153, RRID:AB_2097038

Antibody Information

URL: http://antibodyregistry.org/AB_2097038

Proper Citation: Cell Signaling Technology Cat# 4153, RRID:AB_2097038

Target Antigen: EGR1

Host Organism: rabbit

Clonality: monoclonal

Comments: ENCODE PROJECT External validation DATA SET is released testing lot 3 for not specified; status is not pursued; The following antibodies were determined to be duplicates and consolidated by curator on 10/2018: AB_10694391, AB_2097038.

Antibody Name: EGR1-human

Description: This monoclonal targets EGR1

Target Organism: homo sapiens

Antibody ID: AB_2097038

Vendor: Cell Signaling Technology

Catalog Number: 4153

Record Creation Time: 20250819T232516+0000

Record Last Update: 20250820T051715+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 3 is available under ENCODE ID: ENCAB241ONQ - ENCODE
<https://www.encodeproject.org/antibodies/ENCAB241ONQ>

No alerts have been found for EGR1-human.

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 [RRID](#) .

Ishihara S, et al. (2025) Stiff extracellular matrix activates the transcription factor ATF5 to promote the proliferation of cancer cells. iScience, 28(3), 112057.

Kasakura N, et al. (2025) Role of endogenous NT-3 in neuronal activity and neurogenesis in the hippocampal dentate gyrus. Neuroscience research, 218, 104923.

Azeem SM, et al. (2025) EGR1 Mediates Riluzole-Induced Apoptosis in Osteosarcoma via the Yap/p73-Bax Signaling Axis. bioRxiv : the preprint server for biology.

Jayasinghe V, et al. (2025) Genomic crosstalk between carbachol, a muscarinic receptor agonist, and the long-acting β_2 -adrenoceptor agonist, indacaterol, in human airway epithelial cells. The Journal of pharmacology and experimental therapeutics, 392(6), 103579.

Afshar-Saber W, et al. (2025) Neuronal hyperactivity becomes mTORC1 independent due to transcriptional changes in tuberous sclerosis complex disease models. Cell reports, 44(12), 116664.

Wang Z, et al. (2025) Nuclear-lamin-guided plastic positioning and folding of the human genome. Cell reports, 44(11), 116529.

Kang M, et al. (2025) Cd99l2 regulates excitatory synapse development and restrains immediate-early gene activation. Cell reports, 44(1), 115155.

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.

Li W, et al. (2024) A single-cell transcriptomic census of mammalian olfactory epithelium aging. Developmental cell, 59(22), 3043.

Diethorn EJ, et al. (2023) Postnatal development of hippocampal CA2 structure and function during the emergence of social recognition of peers. Hippocampus, 33(3), 208.

Gu X, et al. (2023) The midnolin-proteasome pathway catches proteins for ubiquitination-independent degradation. Science (New York, N.Y.), 381(6660), eadh5021.

Kong W, et al. (2023) iNKT17 cells play a pathogenic role in ethinylestradiol-induced cholestatic hepatotoxicity. *Archives of toxicology*, 97(2), 561.

Pandey K, et al. (2023) Neuronal activity drives IGF2 expression from pericytes to form long-term memory. *Neuron*, 111(23), 3819.

Guo Q, et al. (2023) TMEM127 suppresses tumor development by promoting RET ubiquitination, positioning, and degradation. *Cell reports*, 42(9), 113070.

Chung JY, et al. (2023) Pancreatic islet cell type-specific transcriptomic changes during pregnancy and postpartum. *iScience*, 26(4), 106439.

Sanchez-Aguilera A, et al. (2023) Machine learning identifies experimental brain metastasis subtypes based on their influence on neural circuits. *Cancer cell*, 41(9), 1637.

Britton R, et al. (2023) Noncanonical Activity of Tissue Inhibitor of Metalloproteinases 2 (TIMP2) Improves Cognition and Synapse Density in Aging. *eNeuro*, 10(6).

Kim S, et al. (2023) Kinetics of RTK activation determine ERK reactivation and resistance to dual BRAF/MEK inhibition in melanoma. *Cell reports*, 42(6), 112570.

Cao JW, et al. (2022) LncRNA nuclear-enriched abundant transcript 1 aggravates cerebral ischemia/reperfusion injury through activating early growth response-1/RNA binding motif protein 25 axis. *Journal of neurochemistry*, 163(6), 500.

Xu S, et al. (2022) Leukemia inhibitory factor is a therapeutic target for renal interstitial fibrosis. *EBioMedicine*, 86, 104312.