

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

GSK-3? (D5C5Z) XP® Rabbit mAb

RRID:AB_2636978

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 12456, RRID:AB_2636978

Antibody Information

URL: http://antibodyregistry.org/AB_2636978

Proper Citation: Cell Signaling Technology Cat# 12456, RRID:AB_2636978

Target Antigen: GSK-3 beta

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P, IF-IC, F

Antibody Name: GSK-3? (D5C5Z) XP® Rabbit mAb

Description: This monoclonal targets GSK-3 beta

Target Organism: human

Clone ID: D5C5Z

Antibody ID: AB_2636978

Vendor: Cell Signaling Technology

Catalog Number: 12456

Record Creation Time: 20250820T024955+0000

Record Last Update: 20250820T143826+0000

Ratings and Alerts

No rating or validation information has been found for GSK-3? (D5C5Z) XP® Rabbit mAb.

No alerts have been found for GSK-3? (D5C5Z) XP® Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 108 mentions in open access literature.

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

Sefiani A, et al. (2026) Novel Neurotrophin-3 peptidomimetic synthetic neurotrophin promotes neurological recovery after spinal cord injury. *Experimental neurology*, 401, 115746.

Liu L, et al. (2026) PPAR γ activation rescues oxidative stress-induced embryonic arrest by suppressing Wnt/ β -catenin signaling via GSK3 β upregulation. *iScience*, 29(3), 114870.

Liu Y, et al. (2026) Discovery of MARK2 as a physiological kinase for PER2 in the mammalian clock. *Cell chemical biology*, 33(3), 379.

Özel C, et al. (2026) Mitochondrial integrity modulates mTOR signaling and podocyte function. *iScience*, 29(1), 114279.

Xu H, et al. (2026) Panx1 deficiency exacerbates GAN diet-induced obesity by destabilizing β -catenin via GSK3 β . *iScience*, 29(4), 115098.

Lee H, et al. (2026) Transglutaminase 2 exacerbates ovarian cancer survival by directly inactivating GSK3 β . *Cell death & disease*, 17(1), 199.

Ishikawa KI, et al. (2026) Suppression of ATM kinase signaling accelerates cellular senescence. *Stem cell reports*, 21(7), 102956.

Li E, et al. (2025) CRISPRi-based screens in iAssembloids to elucidate neuron-glia interactions. *Neuron*, 113(5), 701.

Feng NN, et al. (2025) Ceftriaxone ameliorates tau phosphorylation and mislocalization in APP/PS1 AD mice by inhibiting endoplasmic reticulum stress. *Neuropharmacology*, 279, 110600.

Lee HJ, et al. (2025) Neuroprotection against beta-amyloid toxicity by the novel estrogen receptor modulator STX requires convergent signaling pathways. *Frontiers in molecular neuroscience*, 18, 1670646.

Ngalula S, et al. (2025) TNF- α -Driven Changes in Polarized EGF Receptor Trafficking Facilitate Phosphatidylinositol 3-Kinase/Protein Kinase B Signaling From the Apical Surface of MDCK Epithelial Cells. *Traffic (Copenhagen, Denmark)*, 26(4-6), e70005.

Chen MY, et al. (2025) BAG2 releases SAMD4B upon sensing of arginine deficiency to promote tumor cell survival. *Molecular cell*, 85(13), 2581.

Patel SS, et al. (2025) Induction of Triple-Negative Breast Cancer Cell Death and Chemosensitivity Using mTORC2-Directed RNAi Nanomedicine. *Cancer research communications*, 5(3), 458.

Zielinski JM, et al. (2025) Thyroid Hormone Receptor α Suppresses Cancer Cell Activity by Differential Regulation of Glycogen Metabolism. *Endocrinology*, 166(12).

Kawahara N, et al. (2025) Inhibition of glycolysis and stimulation of mitochondrial biogenesis lead to increased ROS levels and cell death in HNF-1 β positive clear cell carcinoma. *Cell death & disease*, 16(1), 879.

Corr BR, et al. (2025) SM08502-Mediated β -Catenin Repression Synergizes with Olaparib to Inhibit Tumor Progression. *Cancer research communications*, 5(12), 2112.

Hawsawi O, et al. (2025) Mitochondrial uncouplers inhibit oncogenic E2F1 activity and prostate cancer growth. *Cell reports. Medicine*, 6(1), 101890.

Joseph S, et al. (2025) MAPK14/p38 γ shapes the molecular landscape of endometrial cancer and promotes tumorigenic characteristics. *Cell reports*, 44(1), 115104.

Gaggioli MR, et al. (2025) A single amino acid in the Salmonella effector SarA/SteE triggers supraphysiological activation of STAT3 for anti-inflammatory gene expression. *Cell reports*, 44(4), 115530.

Yu J, et al. (2025) Calcineurin: An essential regulator of sleep revealed by biochemical, chemical biological, and genetic approaches. *Cell chemical biology*, 32(1), 157.