

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

GSK-3alpha/beta (D75D3) XP Rabbit mAb

RRID:AB_10547140

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 5676, RRID:AB_10547140

Antibody Information

URL: http://antibodyregistry.org/AB_10547140

Proper Citation: Cell Signaling Technology Cat# 5676, RRID:AB_10547140

Target Antigen: GSK-3alpha/beta

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP. Consolidation on 9/2016: AB_10859043.

Antibody Name: GSK-3alpha/beta (D75D3) XP Rabbit mAb

Description: This monoclonal targets GSK-3alpha/beta

Target Organism: monkey, rat, hamster, mouse, human

Clone ID: D75D3

Antibody ID: AB_10547140

Vendor: Cell Signaling Technology

Catalog Number: 5676

Alternative Catalog Numbers: 5676P, 5676S

Record Creation Time: 20250819T232557+0000

Record Last Update: 20250820T051938+0000

Ratings and Alerts

No rating or validation information has been found for GSK-3alpha/beta (D75D3) XP Rabbit mAb.

No alerts have been found for GSK-3alpha/beta (D75D3) XP Rabbit mAb.

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 [PRECISE-TBI](#) .

Imiruaye OE, et al. (2025) Spatiotemporal differential regulation of extrasynaptic GluN2B receptor subunits and PSA-NCAM in brain aging and Alzheimer's disease. *Frontiers in neuroscience*, 19, 1649625.

Daudelin D, et al. (2025) Novel Roles of the GPI-Anchor Cleaving Enzyme, GDE2, in Hippocampal Synaptic Morphology and Function. *eNeuro*, 12(7).

Khatib TO, et al. (2025) TGF- β 1-mediated intercellular signaling fuels cooperative cellular invasion. *Cell reports*, 44(2), 115315.

Krzystek TJ, et al. (2025) Opposing roles for GSK3 β and ERK1-dependent phosphorylation of huntingtin during neuronal dysfunction and cell death in Huntington's disease. *Cell death & disease*, 16(1), 328.

Kosz $\acute{a}$ O, et al. (2025) Biotransformation of *Ganoderma lucidum* and *Hericium erinaceus* for ex vivo gut-brain axis modulation and mood-related outcomes in humans: CREB/BDNF signaling and microbiota-driven synergies. *Journal of ethnopharmacology*, 342, 119393.

Coats JT, et al. (2024) Elraglusib Induces Cytotoxicity via Direct Microtubule Destabilization Independently of GSK3 Inhibition. *Cancer research communications*, 4(11), 3013.

Nguele Meke F, et al. (2024) Inhibition of PRL2 Upregulates PTEN and Attenuates Tumor Growth in Tp53-deficient Sarcoma and Lymphoma Mouse Models. *Cancer research communications*, 4(1), 5.

Deja S, et al. (2024) Hepatic malonyl-CoA synthesis restrains gluconeogenesis by suppressing fat oxidation, pyruvate carboxylation, and amino acid availability. *Cell metabolism*.

Huang N, et al. (2023) DHX9-mediated pathway contributes to the malignant phenotype of myelodysplastic syndromes. *iScience*, 26(6), 106962.

Lin NH, et al. (2023) Neuroprotective Effects of a Multi-Herbal Extract on Axonal and Synaptic Disruption in Vitro and Cognitive Impairment in Vivo. *Journal of Alzheimer's*

disease reports, 7(1), 51.

Fisker FA, et al. (2023) Insulin Signaling Is Preserved in Skeletal Muscle During Early Diabetic Ketoacidosis. *The Journal of clinical endocrinology and metabolism*, 109(1), e155.

Moon SH, et al. (2023) Genetic deletion of skeletal muscle iPLA2 γ results in mitochondrial dysfunction, muscle atrophy and alterations in whole-body energy metabolism. *iScience*, 26(6), 106895.

Leibinger M, et al. (2023) Inhibition of microtubule detyrosination by parthenolide facilitates functional CNS axon regeneration. *eLife*, 12.

Zhu S, et al. (2023) CDK1 bridges NF- κ B and β -catenin signaling in response to *H. pylori* infection in gastric tumorigenesis. *Cell reports*, 42(1), 112005.

Xu Y, et al. (2022) The KRAS-G12D mutation induces metabolic vulnerability in B-cell acute lymphoblastic leukemia. *iScience*, 25(3), 103881.

Helpenberger KE, et al. (2022) Angiotensin II Regulates Mitochondrial mTOR Pathway Activity Dependent on Acyl-CoA Synthetase 4 in Adrenocortical Cells. *Endocrinology*, 163(12).

Muntean BS, et al. (2021) G α o is a major determinant of cAMP signaling in the pathophysiology of movement disorders. *Cell reports*, 34(5), 108718.

Boulan B, et al. (2021) CRMP4-mediated fornix development involves Semaphorin-3E signaling pathway. *eLife*, 10.

Magno LAV, et al. (2020) Contribution of neuronal calcium sensor 1 (Ncs-1) to anxiolytic-like and social behavior mediated by valproate and Gsk3 inhibition. *Scientific reports*, 10(1), 4566.

Elibol B, et al. (2020) Thymoquinone administration ameliorates Alzheimer's disease-like phenotype by promoting cell survival in the hippocampus of amyloid beta1-42 infused rat model. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 79, 153324.