Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 1, 2025

Tuberin/TSC2 (D93F12) XP Rabbit mAb

RRID:AB_10547134
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4308, RRID:AB_10547134)

Antibody Information

URL: http://antibodyregistry.org/AB_10547134

Proper Citation: (Cell Signaling Technology Cat# 4308, RRID:AB_10547134)

Target Antigen: TSC2

Host Organism: rabbit

Clonality: monoclonal

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

Antibody Name: Tuberin/TSC2 (D93F12) XP Rabbit mAb

Description: This monoclonal targets TSC2

Target Organism: Human, Rat, Monkey, Mouse, Hamster

Clone ID: D93F12

Antibody ID: AB_10547134

Vendor: Cell Signaling Technology

Catalog Number: 4308

Alternative Catalog Numbers: 4308S, 4308T

Record Creation Time: 20231110T071953+0000

Record Last Update: 20241115T094736+0000

Ratings and Alerts

No rating or validation information has been found for Tuberin/TSC2 (D93F12) XP Rabbit mAb.

No alerts have been found for Tuberin/TSC2 (D93F12) XP Rabbit mAb.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 60 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Li S, et al. (2025) Exosomes originating from neural stem cells undergoing necroptosis participate in cellular communication by inducing TSC2 upregulation of recipient cells following spinal cord injury. Neural regeneration research, 20(11), 3273.

Kim H, et al. (2024) MTOR modulation induces selective perturbations in histone methylation which influence the anti-proliferative effects of mTOR inhibitors. iScience, 27(3), 109188.

Arceneaux JS, et al. (2024) Multiparameter quantitative analyses of diagnostic cells in brain tissues from tuberous sclerosis complex. Cytometry. Part B, Clinical cytometry.

Sadeghi M, et al. (2024) Biased signaling by mutant EGFR underlies dependence on PKC? in lung adenocarcinoma. Cell reports, 43(12), 115026.

You JS, et al. (2024) Leucyl-tRNA Synthetase Contributes to Muscle Weakness through Mammalian Target of Rapamycin Complex 1 Activation and Autophagy Suppression in a Mouse Model of Duchenne Muscular Dystrophy. The American journal of pathology, 194(8), 1571.

Zhu M, et al. (2024) PKD1 mutant clones within cirrhotic livers inhibit steatohepatitis without promoting cancer. Cell metabolism, 36(8), 1711.

Ling H, et al. (2024) HDAC10 inhibition represses melanoma cell growth and BRAF inhibitor resistance via upregulating SPARC expression. NAR cancer, 6(2), zcae018.

Festa BP, et al. (2023) Microglial-to-neuronal CCR5 signaling regulates autophagy in neurodegeneration. Neuron, 111(13), 2021.

Ling H, et al. (2023) HDAC10 blockade upregulates SPARC expression thereby repressing melanoma cell growth and BRAF inhibitor resistance. bioRxiv : the preprint server for biology.

Riley VA, et al. (2023) Tsc2 coordinates neuroprogenitor differentiation. iScience, 26(12), 108442.

Kang X, et al. (2023) Neuropeptide Y Promotes mTORC1 to Regulate Chondrocyte Proliferation and Hypertrophy. Endocrinology, 164(3).

Guo C, et al. (2023) HIF-1? accumulation in response to transient hypoglycemia may worsen diabetic eye disease. Cell reports, 42(1), 111976.

Winden KD, et al. (2023) Increased degradation of FMRP contributes to neuronal hyperexcitability in tuberous sclerosis complex. Cell reports, 42(8), 112838.

Dusing M, et al. (2023) Neurovascular Development in Pten and Tsc2 Mouse Mutants. eNeuro, 10(2).

Vaidyanathan S, et al. (2022) YAP regulates an SGK1/mTORC1/SREBP-dependent lipogenic program to support proliferation and tissue growth. Developmental cell, 57(6), 719.

Araki T, et al. (2022) Identification of serum and glucocorticoid-regulated kinase 1 as a regulator of signal transducer and activator of transcription 3 signaling. Experimental cell research, 413(2), 113079.

Zhong Y, et al. (2022) Rheb regulates nuclear mTORC1 activity independent of farnesylation. Cell chemical biology, 29(6), 1037.

Shen Y, et al. (2022) Cross-talk between TSC2 and the extracellular matrix controls pulmonary vascular proliferation and pulmonary hypertension. Science signaling, 15(763), eabn2743.

Ali ES, et al. (2022) The mTORC1-SLC4A7 axis stimulates bicarbonate import to enhance de novo nucleotide synthesis. Molecular cell, 82(17), 3284.

Kim SH, et al. (2022) Electroconvulsive seizure inhibits the mTOR signaling pathway via AMPK in the rat frontal cortex. Psychopharmacology, 239(2), 443.