

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

Phospho-S6 Ribosomal Protein (Ser235/236) (91B2) Rabbit mAb

RRID:AB_2181035

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4857, RRID:AB_2181035

Antibody Information

URL: http://antibodyregistry.org/AB_2181035

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Target Antigen: Phospho-S6 Ribosomal Protein (Ser235/236)

Host Organism: rabbit

Clonality: monoclonal

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

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Antibody Name: Phospho-S6 Ribosomal Protein (Ser235/236) (91B2) Rabbit mAb

Description: This monoclonal targets Phospho-S6 Ribosomal Protein (Ser235/236)

Target Organism: rat, mouse, human

Clone ID: 91B2

Antibody ID: AB_2181035

Vendor: Cell Signaling Technology

Catalog Number: 4857

Alternative Catalog Numbers: 4857S

Record Creation Time: 20250819T213145+0000

Record Last Update: 20250819T231457+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for Phospho-S6 Ribosomal Protein (Ser235/236) (91B2) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Drekolia MK, et al. (2026) Cystine import and oxidative catabolism fuel vascular growth and repair via nutrient-responsive histone acetylation. Cell metabolism, 38(1), 115.

Budagyan K, et al. (2025) KRAS G12V mutation-selective requirement for ACSS2 in colorectal adenoma formation. Cell reports, 44(4), 115444.

Oyabu M, et al. (2025) Multi-dimensional metabolomic remodeling under diverse muscle atrophic stimuli in vivo. Cell reports, 44(8), 116097.

Martins C, et al. (2024) Tumor cell-intrinsic PD-1 promotes Merkel cell carcinoma growth by activating downstream mTOR-mitochondrial ROS signaling. Science advances, 10(3), eadi2012.

Li X, et al. (2024) Biosynthetic deficiency of docosahexaenoic acid causes nonalcoholic fatty liver disease and ferroptosis-mediated hepatocyte injury. The Journal of biological chemistry, 300(7), 107405.

Schaeffer J, et al. (2023) Customization of the translational complex regulates mRNA-specific translation to control CNS regeneration. Neuron, 111(18), 2881.

Jin S, et al. (2023) Downregulation of UBE4B promotes CNS axon regrowth and functional recovery after stroke. iScience, 26(1), 105885.

- Ling C, et al. (2023) Rebalancing of mitochondrial homeostasis through an NAD⁺-SIRT1 pathway preserves intestinal barrier function in severe malnutrition. *EBioMedicine*, 96, 104809.
- Hsu JC, et al. (2022) Viperin triggers ribosome collision-dependent translation inhibition to restrict viral replication. *Molecular cell*, 82(9), 1631.
- Marechal E, et al. (2022) Multiple congenital malformations arise from somatic mosaicism for constitutively active Pik3ca signaling. *Frontiers in cell and developmental biology*, 10, 1013001.
- DeGeer J, et al. (2022) Ral GTPases are critical regulators of spinal cord myelination and homeostasis. *Cell reports*, 40(13), 111413.
- Ma Y, et al. (2022) Neuronal miR-29a protects from obesity in adult mice. *Molecular metabolism*, 61, 101507.
- Han JH, et al. (2022) Snail acetylation by autophagy-derived acetyl-coenzyme A promotes invasion and metastasis of KRAS-LKB1 co-mutated lung cancer cells. *Cancer communications (London, England)*, 42(8), 716.
- Baqai U, et al. (2022) Multi-omics Profiling Shows BAP1 Loss Is Associated with Upregulated Cell Adhesion Molecules in Uveal Melanoma. *Molecular cancer research : MCR*, 20(8), 1260.
- Leibinger M, et al. (2021) Transneuronal delivery of hyper-interleukin-6 enables functional recovery after severe spinal cord injury in mice. *Nature communications*, 12(1), 391.
- Romero-Pozuelo J, et al. (2020) Cdk4 and Cdk6 Couple the Cell-Cycle Machinery to Cell Growth via mTORC1. *Cell reports*, 31(2), 107504.
- Harachi M, et al. (2020) Dual Regulation of Histone Methylation by mTOR Complexes Controls Glioblastoma Tumor Cell Growth via EZH2 and SAM. *Molecular cancer research : MCR*, 18(8), 1142.
- Ros S, et al. (2020) Metabolic Imaging Detects Resistance to PI3K? Inhibition Mediated by Persistent FOXM1 Expression in ER+ Breast Cancer. *Cancer cell*, 38(4), 516.
- Yao Y, et al. (2020) Amino Acids Enhance Polyubiquitination of Rheb and Its Binding to mTORC1 by Blocking Lysosomal ATXN3 Deubiquitinase Activity. *Molecular cell*, 80(3), 437.
- Levin E, et al. (2019) Muscle LIM Protein Is Expressed in the Injured Adult CNS and Promotes Axon Regeneration. *Cell reports*, 26(4), 1021.