

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

Signal Transducer and Activator of Transcription 3

RRID:AB_331588

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 9132, RRID:AB_331588

Antibody Information

URL: http://antibodyregistry.org/AB_331588

Proper Citation: Cell Signaling Technology Cat# 9132, RRID:AB_331588

Target Antigen: synthetic peptide corresponding to the sequence of mouse Stat3.

Host Organism: rabbit

Clonality: unknown

Comments: Used By NYUIHC-829; The following antibodies were determined to be duplicates and consolidated by curator on 11/2018: AB_10201622, AB_10694082, AB_331588, AB_823645.

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:FALSE, NonFunctional in animal:FALSE

Antibody Name: Signal Transducer and Activator of Transcription 3

Description: This unknown targets synthetic peptide corresponding to the sequence of mouse Stat3.

Antibody ID: AB_331588

Vendor: Cell Signaling Technology

Catalog Number: 9132

Record Creation Time: 20250820T033925+0000

Record Last Update: 20250820T165010+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:FALSE, 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 Signal Transducer and Activator of Transcription 3.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Zhang J, et al. (2025) Thymic dendritic cell-derived IL-27p28 promotes the establishment of functional bias against IFN- γ production in newly generated CD4⁺ T cells through STAT1-related epigenetic mechanisms. eLife, 13.

Gurung S, et al. (2025) Stromal lipid species dictate melanoma metastasis and tropism. Cancer cell, 43(6), 1108.

Lu Y, et al. (2024) Activation of Bradykinin B2 Receptors in Astrocytes Stimulates the Release of Leukemia Inhibitory Factor for Autocrine and Paracrine Signaling. International journal of molecular sciences, 25(23).

Sasaki T, et al. (2023) Role of Fyn and the interleukin-6-STAT-3-autophagy axis in sarcopenia. iScience, 26(10), 107717.

Gobelli D, et al. (2023) The mitochondrial succinate dehydrogenase complex controls the STAT3-IL-10 pathway in inflammatory macrophages. iScience, 26(8), 107473.

Yamada K, et al. (2023) Proximity extracellular protein-protein interaction analysis of EGFR using AirID-conjugated fragment of antigen binding. Nature communications, 14(1), 8301.

Han JH, et al. (2022) Garcinia cambogia attenuates adipogenesis by affecting CEBPB and SQSTM1/p62-mediated selective autophagic degradation of KLF3 through RPS6KA1 and STAT3 suppression. Autophagy, 18(3), 518.

Zhao B, et al. (2022) A novel oncotherapy strategy: Direct thrombin inhibitors suppress progression, dissemination and spontaneous metastasis in non-small cell lung cancer. British journal of pharmacology, 179(22), 5056.

Kajiwara K, et al. (2022) Src activation in lipid rafts confers epithelial cells with invasive potential to escape from apical extrusion during cell competition. *Current biology : CB*, 32(16), 3460.

Jia C, et al. (2022) Female-specific role of ciliary neurotrophic factor in the medial amygdala in promoting stress responses. *Neurobiology of stress*, 17, 100435.

Huang Y, et al. (2022) Inflammasome Activation and Pyroptosis via a Lipid-regulated SIRT1-p53-ASC Axis in Macrophages From Male Mice and Humans. *Endocrinology*, 163(4).

Sharda AV, et al. (2021) Circulating Protein Disulfide Isomerase Is Associated with Increased Risk of Thrombosis in JAK2-Mutated Myeloproliferative Neoplasms. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 27(20), 5708.

Liu H, et al. (2021) Promotion of Bone Lesions Through the Myeloma Integrin α 6-Mediated Osteolytic Signaling. *Frontiers in oncology*, 11, 692190.

Roboon J, et al. (2021) Inhibition of CD38 and supplementation of nicotinamide riboside ameliorate lipopolysaccharide-induced microglial and astrocytic neuroinflammation by increasing NAD. *Journal of neurochemistry*, 158(2), 311.

Bian G, et al. (2021) DGT, a novel heterocyclic diterpenoid, effectively suppresses psoriasis via inhibition of STAT3 phosphorylation. *British journal of pharmacology*, 178(3), 636.

Wu Y, et al. (2021) Very-low-protein diets lead to reduced food intake and weight loss, linked to inhibition of hypothalamic mTOR signaling, in mice. *Cell metabolism*, 33(5), 888.

Lo HC, et al. (2020) IL-27/IL-27RA signaling may modulate inflammation and progression of benign prostatic hyperplasia via suppressing the LPS/TLR4 pathway. *Translational cancer research*, 9(8), 4618.

Jorstad NL, et al. (2020) STAT Signaling Modifies Ascl1 Chromatin Binding and Limits Neural Regeneration from Muller Glia in Adult Mouse Retina. *Cell reports*, 30(7), 2195.

Zhang Q, et al. (2019) MicroRNA-25-5p counteracts oxidized LDL-induced pathological changes by targeting neuronal growth regulator 1 (NEGR1) in human brain micro-vessel endothelial cells. *Biochimie*, 165, 141.

Brandt M, et al. (2018) mTORC1 Inactivation Promotes Colitis-Induced Colorectal Cancer but Protects from APC Loss-Dependent Tumorigenesis. *Cell metabolism*, 27(1), 118.