

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

HIF-1 alpha Antibody

RRID:AB_10001045

Type: Antibody

Proper Citation

Novus Cat# NB100-449, RRID:AB_10001045

Antibody Information

URL: http://antibodyregistry.org/AB_10001045

Proper Citation: Novus Cat# NB100-449, RRID:AB_10001045

Target Antigen: HIF-1 alpha

Host Organism: Rabbit

Clonality: polyclonal

Comments: Applications: Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Flow (Intracellular), Chromatin Immunoprecipitation (ChIP), Knockout Validated, Knockdown Validated

Antibody Name: HIF-1 alpha Antibody

Description: This polyclonal targets HIF-1 alpha

Target Organism: Human, Rat, Monkey, Canine, Mouse, Primate, Chicken, Goat

Antibody ID: AB_10001045

Vendor: Novus

Catalog Number: NB100-449

Alternative Catalog Numbers: NB100-449SS

Record Creation Time: 20231110T081328+0000

Record Last Update: 20260901T043657+0000

Ratings and Alerts

No rating or validation information has been found for HIF-1 alpha Antibody.

No alerts have been found for HIF-1 alpha Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Corriveau J, et al. (2025) Inhibition of PAK2 in endothelial cells suppresses tumor angiogenesis and promotes immune sensitization through CXCL10. Cell reports, 45(1), 116840.

Han HJ, et al. (2024) KSCBi005-A-10(hiPSC-HIF1 α KO), a HIF1 α knockout human induced pluripotent stem cell line, for demonstrating the role of cellular response to hypoxia. Stem cell research, 77, 103415.

Toma K, et al. (2024) Perivascular neurons instruct 3D vascular lattice formation via neurovascular contact. Cell, 187(11), 2767.

Joulia R, et al. (2024) Mast cell activation disrupts interactions between endothelial cells and pericytes during early life allergic asthma. The Journal of clinical investigation, 134(6).

Tournaire G, et al. (2022) Skeletal progenitors preserve proliferation and self-renewal upon inhibition of mitochondrial respiration by rerouting the TCA cycle. Cell reports, 40(4), 111105.

Tiwari R, et al. (2022) Chemical inhibition of oxygen-sensing prolyl hydroxylases impairs angiogenic competence of human vascular endothelium through metabolic reprogramming. iScience, 25(10), 105086.

Ye C, et al. (2022) Hypoxia-induced HMGB1 promotes glioma stem cells self-renewal and tumorigenicity via RAGE. iScience, 25(9), 104872.

Janbandhu V, et al. (2022) Hif-1 α suppresses ROS-induced proliferation of cardiac fibroblasts following myocardial infarction. Cell stem cell, 29(2), 281.

Willenborg S, et al. (2021) Mitochondrial metabolism coordinates stage-specific repair processes in macrophages during wound healing. Cell metabolism, 33(12), 2398.

Das Gupta K, et al. (2020) Class IIa Histone Deacetylases Drive Toll-like Receptor-Inducible Glycolysis and Macrophage Inflammatory Responses via Pyruvate Kinase M2. Cell reports, 30(8), 2712.

Ghosh P, et al. (2020) Oxygen-Enhanced Optoacoustic Tomography Reveals the Effectiveness of Targeting Heme and Oxidative Phosphorylation at Normalizing Tumor Vascular Oxygenation. *Cancer research*, 80(17), 3542.

Donato C, et al. (2020) Hypoxia Triggers the Intravasation of Clustered Circulating Tumor Cells. *Cell reports*, 32(10), 108105.

Alexander RK, et al. (2020) Bmal1 integrates mitochondrial metabolism and macrophage activation. *eLife*, 9.

Riou R, et al. (2020) ARID1A loss in adult hepatocytes activates β -catenin-mediated erythropoietin transcription. *eLife*, 9.

Bailey JD, et al. (2019) Nitric Oxide Modulates Metabolic Remodeling in Inflammatory Macrophages through TCA Cycle Regulation and Itaconate Accumulation. *Cell reports*, 28(1), 218.

Chowdhury D, et al. (2019) Metallothionein 3 Controls the Phenotype and Metabolic Programming of Alternatively Activated Macrophages. *Cell reports*, 27(13), 3873.

Baik SH, et al. (2019) A Breakdown in Metabolic Reprogramming Causes Microglia Dysfunction in Alzheimer's Disease. *Cell metabolism*, 30(3), 493.

Gupta SS, et al. (2019) NIX-Mediated Mitophagy Promotes Effector Memory Formation in Antigen-Specific CD8⁺ T Cells. *Cell reports*, 29(7), 1862.

Koenis DS, et al. (2018) Nuclear Receptor Nur77 Limits the Macrophage Inflammatory Response through Transcriptional Reprogramming of Mitochondrial Metabolism. *Cell reports*, 24(8), 2127.

Mills EL, et al. (2016) Succinate Dehydrogenase Supports Metabolic Repurposing of Mitochondria to Drive Inflammatory Macrophages. *Cell*, 167(2), 457.