

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

Human KLF4 Antibody

RRID:AB_2130224

Type: Antibody

Proper Citation

R and D Systems Cat# AF3640, RRID:AB_2130224

Antibody Information

URL: http://antibodyregistry.org/AB_2130224

Proper Citation: R and D Systems Cat# AF3640, RRID:AB_2130224

Target Antigen: KLF4

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Simple Western, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP), Immunocytochemistry

Antibody Name: Human KLF4 Antibody

Description: This polyclonal targets KLF4

Target Organism: Human

Antibody ID: AB_2130224

Vendor: R and D Systems

Catalog Number: AF3640

Alternative Catalog Numbers: AF3640-SP

Record Creation Time: 20231110T043833+0000

Record Last Update: 20260829T191213+0000

Ratings and Alerts

- Independent validation by the NYU Langone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, 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 Human KLF4 Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Arce M, et al. (2025) KRIT1 heterozygous mutations are sufficient to induce a pathological phenotype in patient-derived iPSC models of cerebral cavernous malformation. Cell reports, 44(5), 115576.

Huang X, et al. (2024) ZFP281 controls transcriptional and epigenetic changes promoting mouse pluripotent state transitions via DNMT3 and TET1. Developmental cell, 59(4), 465.

Smirnov A, et al. (2023) Epigenetic priming of an epithelial enhancer by p63 and CTCF controls expression of a skin-restricted gene XP33. Cell death discovery, 9(1), 446.

Jung M, et al. (2023) Generation of a set of induced pluripotent stem cell lines from two Alzheimer disease patients carrying APOE4 (MLUi007-J; MLUi008-A) and healthy old donors carrying APOE3 (MLUi009-A; MLUi010-B) to study APOE in aging and disease. Stem cell research, 69, 103072.

Borisova E, et al. (2022) Structurally-discovered KLF4 variants accelerate and stabilize reprogramming to pluripotency. iScience, 25(1), 103525.

Chen PY, et al. (2020) Smooth Muscle Cell Reprogramming in Aortic Aneurysms. Cell stem cell, 26(4), 542.

Egolf S, et al. (2019) LSD1 Inhibition Promotes Epithelial Differentiation through Derepression of Fate-Determining Transcription Factors. Cell reports, 28(8), 1981.

Pontis J, et al. (2019) Hominoid-Specific Transposable Elements and KZFPs Facilitate Human Embryonic Genome Activation and Control Transcription in Naive Human ESCs. Cell stem cell, 24(5), 724.

Chen D, et al. (2018) The TFAP2C-Regulated OCT4 Naive Enhancer Is Involved in Human Germline Formation. Cell reports, 25(13), 3591.

Lyu X, et al. (2018) Architectural Proteins and Pluripotency Factors Cooperate to Orchestrate the Transcriptional Response of hESCs to Temperature Stress. Molecular

cell, 71(6), 940.