

Resource Summary Report

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Pax7 antibody - Kawakami, A.; Tokyo Institute of Technology

RRID:AB_528428

Type: Antibody

Proper Citation

(DSHB Cat# pax7, RRID:AB_528428)

Antibody Information

URL: http://antibodyregistry.org/AB_528428

Proper Citation: (DSHB Cat# pax7, RRID:AB_528428)

Target Antigen: Pax7

Host Organism: mouse

Clonality: monoclonal

Comments:

Application(s): Chromatin Immunoprecipitation,FACS,FFPE,Gel

Supershift,Immunofluorescence,Immunohistochemistry,Immunoprecipitation,Western Blot;

Date Deposited: 07/09/1997

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

Antibody Name: Pax7 antibody - Kawakami, A.; Tokyo Institute of Technology

Description: This monoclonal targets Pax7

Target Organism: Human, Xenopus, Porcine, Turtle, Bovine, Rat, Ovine, Zebrafish, Avian, Canine, Mouse, Fish, Goat, Amphibian

Defining Citation:

[PMID:20146251](#), [PMID:28803986](#), [PMID:22661705](#), [PMID:23110050](#), [PMID:22736793](#),
[PMID:23250359](#), [PMID:22403007](#), [PMID:24763754](#), [PMID:27452271](#), [PMID:23407937](#),
[PMID:9376315](#), [PMID:23392112](#), [PMID:24717807](#), [PMID:23266330](#), [PMID:26287727](#),
[PMID:25133429](#), [PMID:28800946](#), [PMID:8929535](#), [PMID:23154418](#), [PMID:15520282](#),
[PMID:24894000](#), [PMID:21680532](#), [PMID:18198279](#), [PMID:25140675](#), [PMID:23114596](#),
[PMID:17314134](#), [PMID:29168801](#), [PMID:23569214](#), [PMID:23639729](#), [PMID:27583644](#),
[PMID:21337346](#), [PMID:22434133](#), [PMID:24297751](#), [PMID:25785851](#), [PMID:23554995](#),
[PMID:26237517](#), [PMID:22322971](#), [PMID:16631154](#), [PMID:29315567](#), [PMID:24691550](#),
[PMID:28802040](#), [PMID:17194759](#), [PMID:19458195](#), [PMID:23505517](#), [PMID:23893976](#),
[PMID:24563216](#), [PMID:29249462](#), [PMID:22764051](#), [PMID:25695429](#), [PMID:23386031](#),
[PMID:23577150](#), [PMID:17215296](#), [PMID:23583585](#), [PMID:24498167](#), [PMID:22446594](#),
[PMID:16762317](#)

Antibody ID: AB_528428

Vendor: DSHB

Catalog Number: pax7

Record Creation Time: 20231110T044218+0000

Record Last Update: 20241115T083750+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:FALSE, 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 Pax7 antibody - Kawakami, A.; Tokyo Institute of Technology.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 155 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Verma M, et al. (2024) Endothelial cell signature in muscle stem cells validated by VEGFA-FLT1-AKT1 axis promoting survival of muscle stem cell. *eLife*, 13.

Merkuri F, et al. (2024) Histone lactylation couples cellular metabolism with developmental gene regulatory networks. *Nature communications*, 15(1), 90.

Ferran JL, et al. (2024) Atypical Course of the Habenulo-Interpeduncular Tract in Chick Embryos. *The Journal of comparative neurology*, 532(7), e25646.

Blackburn DM, et al. (2024) The E3 ubiquitin ligase Nedd4L preserves skeletal muscle stem cell quiescence by inhibiting their activation. *iScience*, 27(7), 110241.

Engquist EN, et al. (2024) Transcriptomic gene signatures measure satellite cell activity in muscular dystrophies. *iScience*, 27(6), 109947.

Ren S, et al. (2024) Profound cellular defects attribute to muscular pathogenesis in the rhesus monkey model of Duchenne muscular dystrophy. *Cell*.

Hernandez-Benitez R, et al. (2024) Intervention with metabolites emulating endogenous cell transitions accelerates muscle regeneration in young and aged mice. *Cell reports. Medicine*, 5(3), 101449.

Lin KH, et al. (2024) Satellite cell-derived TRIM28 is pivotal for mechanical load- and injury-induced myogenesis. *EMBO reports*, 25(9), 3812.

Sakai H, et al. (2024) The androgen receptor in mesenchymal progenitors regulates skeletal muscle mass via Igf1 expression in male mice. *Proceedings of the National Academy of Sciences of the United States of America*, 121(39), e2407768121.

Ni M, et al. (2024) Establishment and Characterization of SV40 T-Antigen Immortalized Porcine Muscle Satellite Cell. *Cells*, 13(8).

Yang SH, et al. (2024) Activated dormant stem cells recover spermatogenesis in chemoradiotherapy-induced infertility. *Cell reports*, 43(8), 114582.

Shao A, et al. (2024) The L27 domain of MPP7 enhances TAZ-YY1 cooperation to renew muscle stem cells. *EMBO reports*, 25(12), 5667.

Binet ER, et al. (2023) Sex-based comparisons of muscle cellular adaptations after 10 weeks of progressive resistance training in middle-aged adults. *Journal of applied physiology* (Bethesda, Md. : 1985), 134(1), 116.

Baranowski RW, et al. (2023) Toward countering muscle and bone loss with spaceflight: GSK3 as a potential target. *iScience*, 26(7), 107047.

Guardiola O, et al. (2023) CRIPTO-based micro-heterogeneity of mouse muscle satellite cells enables adaptive response to regenerative microenvironment. *Developmental cell*, 58(24), 2896.

Zhao Y, et al. (2023) Multiscale 3D genome reorganization during skeletal muscle stem cell lineage progression and aging. *Science advances*, 9(7), eabo1360.

Luo L, et al. (2023) Muscle Injuries Induce a Prostacyclin-PPAR γ /PGC1 α -FAO Spike That Boosts Regeneration. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e2301519.

Meng J, et al. (2023) LBP1C-2 from *Lycium barbarum* maintains skeletal muscle satellite cell pool by interaction with FGFR1. *iScience*, 26(5), 106573.

Song P, et al. (2023) Vitamin A injection at birth improves muscle growth in lambs. *Animal nutrition* (*Zhongguo xu mu shou yi xue hui*), 14, 204.

Xie N, et al. (2023) Efficient Muscle Regeneration by Human PSC-Derived CD82⁺ ERBB3⁺ NGFR⁺ Skeletal Myogenic Progenitors. *Cells*, 12(3).