Resource Summary Report

Generated by RRID on Sep 2, 2026

Monoclonal Anti-Myosin (Skeletal, Slow) antibody produced in mouse

RRID:AB_477248
Type: Antibody

Proper Citation

Sigma-Aldrich Cat# M8421, RRID:AB_477248

Antibody Information

URL: http://antibodyregistry.org/AB_477248

Proper Citation: Sigma-Aldrich Cat# M8421, RRID:AB_477248

Target Antigen: Myosin (Skeletal Slow) antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgG1 Immunohistochemistry; Electron Microscopy; Radioimmunoassay; Western Blot; ELISA; electron microscopy: suitable, indirect ELISA: suitable, immunoblotting: suitable, immunohistochemistry (formalin-fixed, paraffin-embedded sections): 1:4,000

Antibody Name: Monoclonal Anti-Myosin (Skeletal, Slow) antibody produced in mouse

Description: This monoclonal targets Myosin (Skeletal Slow) antibody produced in mouse

Target Organism: guinea pig, chicken, feline, rat, hamster, porcine, canine, goat, chicken/bird, pig, mouse, rabbit, bovine, human, sheep

Antibody ID: AB_477248

Vendor: Sigma-Aldrich

Catalog Number: M8421

Record Creation Time: 20250820T001623+0000

Record Last Update: 20250820T075018+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-Myosin (Skeletal, Slow) antibody produced in mouse.

No alerts have been found for Monoclonal Anti-Myosin (Skeletal, Slow) antibody produced in mouse.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Fukushima T, et al. (2026) PHF2 regulates grip strength via demethylation at the promoter region of the Mef2c. iScience, 29(4), 115517.

Oles AR, et al. (2025) MyoD is essential in rhabdomyosarcoma by promoting survival through differentiation and CYLD. iScience, 28(8), 113149.

Dreher SI, et al. (2024) IGF1 promotes human myotube differentiation toward a mature metabolic and contractile phenotype. American journal of physiology. Cell physiology, 326(5), C1462.

Komiya Y, et al. (2024) Eicosapentaenoic acid increases proportion of type 1 muscle fibers through PPAR? and AMPK pathways in rats. iScience, 27(6), 109816.

Sackerson C, et al. (2023) Comparative analysis of the myoglobin gene in whales and humans reveals evolutionary changes in regulatory elements and expression levels. PloS one, 18(8), e0284834.

Moon SH, et al. (2023) Genetic deletion of skeletal muscle iPLA2? results in mitochondrial dysfunction, muscle atrophy and alterations in whole-body energy metabolism. iScience, 26(6), 106895.

Cicatiello AG, et al. (2022) Thyroid hormone regulates glutamine metabolism and anaplerotic fluxes by inducing mitochondrial glutamate aminotransferase GPT2. Cell reports, 38(8), 110409.

Kim SO, et al. (2022) Estrogen promotes fetal skeletal muscle myofiber development important for insulin sensitivity in offspring. Endocrine, 78(1), 32.

Feyen DAM, et al. (2020) Metabolic Maturation Media Improve Physiological Function of Human iPSC-Derived Cardiomyocytes. Cell reports, 32(3), 107925.

Leung C, et al. (2020) Lgr5 Marks Adult Progenitor Cells Contributing to Skeletal Muscle Regeneration and Sarcoma Formation. Cell reports, 33(12), 108535.

Latham SL, et al. (2020) Myosin-18B Regulates Higher-Order Organization of the Cardiac Sarcomere through Thin Filament Cross-Linking and Thick Filament Dynamics. Cell reports, 32(9), 108090.

Goldstein JM, et al. (2019) In Situ Modification of Tissue Stem and Progenitor Cell Genomes. Cell reports, 27(4), 1254.

Li J, et al. (2019) Sirtuin 1 represses PKC-? activity through regulating interplay of acetylation and phosphorylation in cardiac hypertrophy. British journal of pharmacology, 176(3), 416.

Luo L, et al. (2019) HDAC4 Controls Muscle Homeostasis through Deacetylation of Myosin Heavy Chain, PGC-1?, and Hsc70. Cell reports, 29(3), 749.

Carmody C, et al. (2019) A Global Loss of Dio2 Leads to Unexpected Changes in Function and Fiber Types of Slow Skeletal Muscle in Male Mice. Endocrinology, 160(5), 1205.

Wüst S, et al. (2018) Metabolic Maturation during Muscle Stem Cell Differentiation Is Achieved by miR-1/133a-Mediated Inhibition of the Dlk1-Dio3 Mega Gene Cluster. Cell metabolism, 27(5), 1026.

Kelley KW, et al. (2018) Kir4.1-Dependent Astrocyte-Fast Motor Neuron Interactions Are Required for Peak Strength. Neuron, 98(2), 306.

Lee JK, et al. (2017) Abelson tyrosine-protein kinase 2 regulates myoblast proliferation and controls muscle fiber length. eLife, 6.