

Resource Summary Report

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

MEF-2 (C-21)

RRID:AB_631920

Type: Antibody

Proper Citation

Santa Cruz Biotechnology Cat# sc-313, RRID:AB_631920

Antibody Information

URL: http://antibodyregistry.org/AB_631920

Proper Citation: Santa Cruz Biotechnology Cat# sc-313, RRID:AB_631920

Target Antigen: MEF-2 (C-21)

Host Organism: rabbit

Clonality: polyclonal

Comments: Discontinued: 2016; validation status unknown check with seller; recommendations: Western Blot; Immunohistochemistry; Immunoprecipitation; ELISA; Immunocytochemistry; Immunofluorescence; WB, IP, IF, IHC(P), ELISA

Antibody Name: MEF-2 (C-21)

Description: This polyclonal targets MEF-2 (C-21)

Target Organism: rat, goat, mouse, human

Defining Citation: [PMID:17335037](#)

Antibody ID: AB_631920

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-313

Record Creation Time: 20231110T080312+0000

Record Last Update: 20260831T191302+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: C2712 is available under ENCODE ID: ENCAB192CRE - ENCODE

<https://www.encodeproject.org/antibodies/ENCAB192CRE>

Warning: Discontinued: 2016

Discontinued: 2016; validation status unknown check with seller; recommendations:

Western Blot; Immunohistochemistry; Immunoprecipitation; ELISA; Immunocytochemistry; Immunofluorescence; WB, IP, IF, IHC(P), ELISA

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 [dkNET](#) .

Kang M, et al. (2025) Cd99l2 regulates excitatory synapse development and restrains immediate-early gene activation. Cell reports, 44(1), 115155.

Trudler D, et al. (2025) Dysregulation of miRNA expression and excitation in MEF2C autism patient hiPSC-neurons and cerebral organoids. Molecular psychiatry, 30(4), 1479.

Rao K, et al. (2024) Myoglobin modulates the Hippo pathway to promote cardiomyocyte differentiation. iScience, 27(3), 109146.

Friedman CE, et al. (2024) HOPX-associated molecular programs control cardiomyocyte cell states underpinning cardiac structure and function. Developmental cell, 59(1), 91.

García-Poyatos C, et al. (2024) Cox7a1 controls skeletal muscle physiology and heart regeneration through complex IV dimerization. Developmental cell, 59(14), 1824.

Apaydin O, et al. (2023) Alpha-1 adrenergic signaling drives cardiac regeneration via extracellular matrix remodeling transcriptional program in zebrafish macrophages. Developmental cell, 58(22), 2460.

Sharpe M, et al. (2022) Ruvbl2 Suppresses Cardiomyocyte Proliferation During Zebrafish Heart Development and Regeneration. Frontiers in cell and developmental biology, 10, 800594.

Tan J, et al. (2022) Moderate heart rate reduction promotes cardiac regeneration through stimulation of the metabolic pattern switch. Cell reports, 38(10), 110468.

Majidi SP, et al. (2019) Chromatin Environment and Cellular Context Specify Compensatory Activity of Paralogous MEF2 Transcription Factors. Cell reports, 29(7), 2001.

Mukai J, et al. (2019) Recapitulation and Reversal of Schizophrenia-Related Phenotypes in Setd1a-Deficient Mice. Neuron, 104(3), 471.

Han Y, et al. (2019) Vitamin D Stimulates Cardiomyocyte Proliferation and Controls Organ Size and Regeneration in Zebrafish. *Developmental cell*, 48(6), 853.

Honkoop H, et al. (2019) Single-cell analysis uncovers that metabolic reprogramming by ErbB2 signaling is essential for cardiomyocyte proliferation in the regenerating heart. *eLife*, 8.

Marín-Juez R, et al. (2019) Coronary Revascularization During Heart Regeneration Is Regulated by Epicardial and Endocardial Cues and Forms a Scaffold for Cardiomyocyte Repopulation. *Developmental cell*, 51(4), 503.

Zhao L, et al. (2019) Endocardial Notch Signaling Promotes Cardiomyocyte Proliferation in the Regenerating Zebrafish Heart through Wnt Pathway Antagonism. *Cell reports*, 26(3), 546.

González-Rosa JM, et al. (2018) Myocardial Polyploidization Creates a Barrier to Heart Regeneration in Zebrafish. *Developmental cell*, 44(4), 433.

Stockdale WT, et al. (2018) Heart Regeneration in the Mexican Cavefish. *Cell reports*, 25(8), 1997.

Bonnet A, et al. (2017) Quaking RNA-Binding Proteins Control Early Myofibril Formation by Modulating Tropomyosin. *Developmental cell*, 42(5), 527.

Hui SP, et al. (2017) Zebrafish Regulatory T Cells Mediate Organ-Specific Regenerative Programs. *Developmental cell*, 43(6), 659.

Hayashi S, et al. (2016) Klf5 regulates muscle differentiation by directly targeting muscle-specific genes in cooperation with MyoD in mice. *eLife*, 5.

Telese F, et al. (2015) LRP8-Reelin-Regulated Neuronal Enhancer Signature Underlying Learning and Memory Formation. *Neuron*, 86(3), 696.