Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 31, 2025

MCT4 (H-90)

RRID:AB_2189333
Type: Antibody

Proper Citation

(Santa Cruz Biotechnology Cat# sc-50329, RRID:AB_2189333)

Antibody Information

URL: http://antibodyregistry.org/AB_2189333

Proper Citation: (Santa Cruz Biotechnology Cat# sc-50329, RRID:AB_2189333)

Target Antigen: MCT4 (H-90)

Host Organism: rabbit

Clonality: polyclonal

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

Antibody Name: MCT4 (H-90)

Description: This polyclonal targets MCT4 (H-90)

Target Organism: rat, mouse, human

Antibody ID: AB_2189333

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-50329

Record Creation Time: 20241016T230458+0000

Record Last Update: 20241017T000020+0000

Ratings and Alerts

No rating or validation information has been found for MCT4 (H-90).

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

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Gargiulo E, et al. (2023) Extracellular Vesicle Secretion by Leukemia Cells In Vivo Promotes CLL Progression by Hampering Antitumor T-cell Responses. Blood cancer discovery, 4(1), 54.

Barbieri L, et al. (2023) Lactate exposure shapes the metabolic and transcriptomic profile of CD8+ T cells. Frontiers in immunology, 14, 1101433.

Monsorno K, et al. (2023) Loss of microglial MCT4 leads to defective synaptic pruning and anxiety-like behavior in mice. Nature communications, 14(1), 5749.

Biram A, et al. (2022) Bacterial infection disrupts established germinal center reactions through monocyte recruitment and impaired metabolic adaptation. Immunity, 55(3), 442.

Heider M, et al. (2021) The IMiD target CRBN determines HSP90 activity toward transmembrane proteins essential in multiple myeloma. Molecular cell, 81(6), 1170.

Johnston K, et al. (2021) Isotope tracing reveals glycolysis and oxidative metabolism in childhood tumors of multiple histologies. Med (New York, N.Y.), 2(4), 395.

Sung JS, et al. (2020) ITGB4-mediated metabolic reprogramming of cancer-associated fibroblasts. Oncogene, 39(3), 664.

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.

Renner K, et al. (2019) Restricting Glycolysis Preserves T Cell Effector Functions and Augments Checkpoint Therapy. Cell reports, 29(1), 135.

Apicella M, et al. (2018) Increased Lactate Secretion by Cancer Cells Sustains Non-cell-autonomous Adaptive Resistance to MET and EGFR Targeted Therapies. Cell metabolism, 28(6), 848.

Benjamin D, et al. (2018) Dual Inhibition of the Lactate Transporters MCT1 and MCT4 Is Synthetic Lethal with Metformin due to NAD+ Depletion in Cancer Cells. Cell reports, 25(11), 3047.

Femenía T, et al. (2018) Disrupted Neuroglial Metabolic Coupling after Peripheral Surgery. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(2), 452.

Faubert B, et al. (2017) Lactate Metabolism in Human Lung Tumors. Cell, 171(2), 358.