

Resource Summary Report

Generated by [RRID](#) on Sep 6, 2026

Anti-MICU1

RRID:AB_2675495

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# HPA037479, RRID:AB_2675495

Antibody Information

URL: http://antibodyregistry.org/AB_2675495

Proper Citation: Sigma-Aldrich Cat# HPA037479, RRID:AB_2675495

Target Antigen: MICU1

Host Organism: rabbit

Clonality: unknown

Antibody Name: Anti-MICU1

Description: This unknown targets MICU1

Target Organism: human

Antibody ID: AB_2675495

Vendor: Sigma-Aldrich

Catalog Number: HPA037479

Record Creation Time: 20231110T033322+0000

Record Last Update: 20260829T060902+0000

Ratings and Alerts

- Antibody validation available from The Human Protein Atlas - Human Protein Atlas
<https://www.proteinatlas.org/search/HPA037479>

No alerts have been found for Anti-MICU1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Berezhnaya E, et al. (2025) MICU2 controls mitochondrial calcium signaling and migration in neurons during development. Cell reports, 44(12), 116583.

Gherardi G, et al. (2024) Mitochondrial calcium uptake declines during aging and is directly activated by oleuropein to boost energy metabolism and skeletal muscle performance. Cell metabolism.

Xue K, et al. (2022) The mitochondrial calcium uniporter engages UCP1 to form a thermoporter that promotes thermogenesis. Cell metabolism, 34(9), 1325.

Butera G, et al. (2021) Parvalbumin affects skeletal muscle trophism through modulation of mitochondrial calcium uptake. Cell reports, 35(5), 109087.

Wettmarshausen J, et al. (2018) MICU1 Confers Protection from MCU-Dependent Manganese Toxicity. Cell reports, 25(6), 1425.