

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 17, 2025

SERCA2 ATPase Monoclonal Antibody (2A7-A1)

RRID:AB_325502

Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# MA3-919, RRID:AB_325502)

Antibody Information

URL: http://antibodyregistry.org/AB_325502

Proper Citation: (Thermo Fisher Scientific Cat# MA3-919, RRID:AB_325502)

Target Antigen: SERCA2 ATPase

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: ICC/IF (1:100-1:250), WB (1:1,000), IHC (P) (1 µg/mL), IHC (F) (1/100), IP (Assay-dependent), Flow (1:20)

Antibody Name: SERCA2 ATPase Monoclonal Antibody (2A7-A1)

Description: This monoclonal targets SERCA2 ATPase

Target Organism: Human, Porcine, Rat, Rabbit, Canine, Guinea Pig, Mouse

Clone ID: Clone 2A7-A1

Defining Citation:

[PMID:15236230](#), [PMID:17276394](#), [PMID:27096943](#), [PMID:16230462](#), [PMID:21775425](#),
[PMID:15949473](#), [PMID:24928680](#), [PMID:14684371](#), [PMID:12181157](#), [PMID:12235030](#),
[PMID:25252951](#), [PMID:11054479](#), [PMID:23840903](#), [PMID:24278453](#), [PMID:15855348](#),
[PMID:22666522](#), [PMID:12946930](#), [PMID:10904033](#), [PMID:12237298](#), [PMID:12032137](#),
[PMID:21388680](#), [PMID:23640977](#), [PMID:14607457](#), [PMID:12135937](#), [PMID:11744638](#),
[PMID:19029185](#), [PMID:21765056](#), [PMID:26692169](#), [PMID:21856920](#), [PMID:8621412](#),
[PMID:15817886](#), [PMID:23122728](#), [PMID:10025953](#), [PMID:12739153](#), [PMID:20200131](#),
[PMID:17574269](#), [PMID:27664189](#), [PMID:10444483](#), [PMID:22939042](#), [PMID:24358354](#),
[PMID:25461674](#), [PMID:10683354](#), [PMID:26966065](#), [PMID:12409282](#), [PMID:16133716](#),
[PMID:15253893](#), [PMID:16938495](#), [PMID:22429617](#), [PMID:20668298](#), [PMID:10892655](#),
[PMID:12456487](#), [PMID:15546997](#), [PMID:24427266](#), [PMID:15247151](#), [PMID:10601161](#),
[PMID:15486091](#), [PMID:21763413](#), [PMID:11420307](#), [PMID:12562961](#), [PMID:26769537](#),
[PMID:19329766](#), [PMID:12925451](#), [PMID:20668226](#), [PMID:15500948](#), [PMID:16210321](#),
[PMID:8663079](#), [PMID:15020584](#), [PMID:16091790](#), [PMID:14982994](#), [PMID:23532677](#),
[PMID:12645548](#), [PMID:15845383](#), [PMID:12106593](#), [PMID:21629954](#), [PMID:17404231](#),
[PMID:18198989](#), [PMID:12234816](#), [PMID:12124204](#), [PMID:16135669](#), [PMID:15653756](#),
[PMID:24973218](#), [PMID:15808841](#), [PMID:12958030](#), [PMID:23883681](#), [PMID:16604439](#),
[PMID:15808842](#), [PMID:18762239](#), [PMID:24874017](#), [PMID:20188644](#), [PMID:10896877](#),
[PMID:19692123](#), [PMID:17287364](#), [PMID:9649559](#), [PMID:21884113](#), [PMID:22632938](#),
[PMID:18952713](#), [PMID:17506935](#), [PMID:17287366](#), [PMID:15797971](#), [PMID:15731460](#),
[PMID:17287368](#), [PMID:12767889](#), [PMID:21666110](#), [PMID:15629895](#), [PMID:19683008](#),
[PMID:18065526](#), [PMID:14654369](#), [PMID:16690765](#), [PMID:11560860](#), [PMID:12881214](#),
[PMID:20484118](#), [PMID:24058623](#), [PMID:24651516](#), [PMID:20730619](#), [PMID:16540370](#),
[PMID:16185075](#), [PMID:15331372](#), [PMID:17652831](#), [PMID:24122038](#), [PMID:15687816](#),
[PMID:15471972](#), [PMID:11595740](#), [PMID:27134770](#), [PMID:20008467](#), [PMID:24633551](#),
[PMID:12842921](#), [PMID:12154005](#), [PMID:19996998](#), [PMID:17560116](#), [PMID:14962828](#),
[PMID:17287947](#), [PMID:16427649](#), [PMID:19201998](#), [PMID:15677742](#), [PMID:11230109](#),
[PMID:27211213](#), [PMID:23666674](#), [PMID:12388307](#), [PMID:26713852](#), [PMID:10082478](#),
[PMID:17026973](#), [PMID:10516177](#), [PMID:8044934](#), [PMID:18645228](#), [PMID:12022876](#),
[PMID:23790629](#), [PMID:18635554](#), [PMID:21193586](#), [PMID:20363890](#), [PMID:26010093](#),
[PMID:20802136](#), [PMID:15001528](#), [PMID:15075297](#), [PMID:21788610](#), [PMID:21264068](#),
[PMID:23776695](#), [PMID:21289077](#), [PMID:10359649](#), [PMID:15201433](#), [PMID:11668069](#),
[PMID:16914547](#), [PMID:19525383](#), [PMID:16645265](#), [PMID:16707551](#), [PMID:22245795](#),
[PMID:18790739](#), [PMID:16421285](#), [PMID:25968954](#), [PMID:12794093](#)

Antibody ID: AB_325502

Vendor: Thermo Fisher Scientific

Catalog Number: MA3-919

Record Creation Time: 20241130T060452+0000

Record Last Update: 20250416T100451+0000

Ratings and Alerts

No rating or validation information has been found for SERCA2 ATPase Monoclonal Antibody (2A7-A1).

No alerts have been found for SERCA2 ATPase Monoclonal Antibody (2A7-A1).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Shiga Y, et al. (2024) Endoplasmic reticulum stress-related deficits in calcium clearance promote neuronal dysfunction that is prevented by SERCA2 gene augmentation. Cell reports. Medicine, 5(12), 101839.

Raun SH, et al. (2024) Mild Cold Stress at Ambient Temperature Elevates Muscle Calcium Cycling and Exercise Adaptations in Obese Female Mice. Endocrinology, 165(10).

Jonas E, et al. (2024) CALHM2 is a mitochondrial protein import channel that regulates fatty acid metabolism. Research square.

Allan A, et al. (2023) High-throughput longitudinal electrophysiology screening of mature chamber-specific hiPSC-CMs using optical mapping. iScience, 26(7), 107142.

Kuijpers M, et al. (2021) Neuronal Autophagy Regulates Presynaptic Neurotransmission by Controlling the Axonal Endoplasmic Reticulum. Neuron, 109(2), 299.

Rudokas MW, et al. (2021) Compartmentation of β_2 -adrenoceptor stimulated cAMP responses by phosphodiesterase types 2 and 3 in cardiac ventricular myocytes. British journal of pharmacology, 178(7), 1574.

Filomena MC, et al. (2021) Myopalladin knockout mice develop cardiac dilation and show a maladaptive response to mechanical pressure overload. eLife, 10.