

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

Mouse Anti-UQCRFS1 Monoclonal Antibody, Unconjugated, Clone 5A5

RRID:AB_301445

Type: Antibody

Proper Citation

Abcam Cat# ab14746, RRID:AB_301445

Antibody Information

URL: http://antibodyregistry.org/AB_301445

Proper Citation: Abcam Cat# ab14746, RRID:AB_301445

Target Antigen: UQCRFS1

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunocytochemistry; Western Blot; Immunocytochemistry, Immunohistochemistry-P, Western Blot

Antibody Name: Mouse Anti-UQCRFS1 Monoclonal Antibody, Unconjugated, Clone 5A5

Description: This monoclonal targets UQCRFS1

Target Organism: rat, mouse, bovine, human

Clone ID: Clone 5A5

Antibody ID: AB_301445

Vendor: Abcam

Catalog Number: ab14746

Record Creation Time: 20250820T025432+0000

Record Last Update: 20250820T145030+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-UQCRFS1 Monoclonal Antibody, Unconjugated, Clone 5A5.

No alerts have been found for Mouse Anti-UQCRFS1 Monoclonal Antibody, Unconjugated, Clone 5A5.

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](#) .

Zink A, et al. (2026) Pluripotent stem-cell-based screening uncovers sildenafil as a mitochondrial disease therapy. *Cell*, 189(6), 1656.

Liang C, et al. (2025) Formation of I2+III2 supercomplex rescues respiratory chain defects. *Cell metabolism*, 37(2), 441.

McMinimy R, et al. (2024) Reactive oxygen species control protein degradation at the mitochondrial import gate. *Molecular cell*, 84(23), 4612.

Perfitt TL, et al. (2024) A modified mouse model of Friedreich's ataxia with conditional Fxn allele homozygosity delays onset of cardiomyopathy. *American journal of physiology. Heart and circulatory physiology*, 326(2), H357.

Milenkovic D, et al. (2023) Preserved respiratory chain capacity and physiology in mice with profoundly reduced levels of mitochondrial respirasomes. *Cell metabolism*, 35(10), 1799.

Tokarsky EJ, et al. (2022) Mitochondrial Dysfunction Is a Driver of SP-2509 Drug Resistance in Ewing Sarcoma. *Molecular cancer research : MCR*, 20(7), 1035.

Robinson DRL, et al. (2022) Applying Sodium Carbonate Extraction Mass Spectrometry to Investigate Defects in the Mitochondrial Respiratory Chain. *Frontiers in cell and developmental biology*, 10, 786268.

Liang C, et al. (2022) Mitochondrial microproteins link metabolic cues to respiratory chain biogenesis. *Cell reports*, 40(7), 111204.

Santana-Codina N, et al. (2022) NCOA4-Mediated Ferritinophagy Is a Pancreatic Cancer Dependency via Maintenance of Iron Bioavailability for Iron-Sulfur Cluster Proteins. *Cancer discovery*, 12(9), 2180.

Acoba MG, et al. (2021) The mitochondrial carrier SFXN1 is critical for complex III integrity and cellular metabolism. *Cell reports*, 34(11), 108869.

D'Angelo L, et al. (2021) NDUFS3 depletion permits complex I maturation and reveals TMEM126A/OPA7 as an assembly factor binding the ND4-module intermediate. *Cell reports*, 35(3), 109002.

Weber RA, et al. (2020) Maintaining Iron Homeostasis Is the Key Role of Lysosomal Acidity for Cell Proliferation. *Molecular cell*, 77(3), 645.

Timón-Gómez A, et al. (2020) Distinct Roles of Mitochondrial HIGD1A and HIGD2A in Respiratory Complex and Supercomplex Biogenesis. *Cell reports*, 31(5), 107607.

Nowinski SM, et al. (2020) Mitochondrial fatty acid synthesis coordinates oxidative metabolism in mammalian mitochondria. *eLife*, 9.

Andreazza S, et al. (2019) Mitochondrially-targeted APOBEC1 is a potent mtDNA mutator affecting mitochondrial function and organismal fitness in *Drosophila*. *Nature communications*, 10(1), 3280.

Anderson KA, et al. (2017) SIRT4 Is a Lysine Deacylase that Controls Leucine Metabolism and Insulin Secretion. *Cell metabolism*, 25(4), 838.

Bottani E, et al. (2017) TTC19 Plays a Husbandry Role on UQCRC1 Turnover in the Biogenesis of Mitochondrial Respiratory Complex III. *Molecular cell*, 67(1), 96.

Maio N, et al. (2017) A Single Adaptable Cochaperone-Scaffold Complex Delivers Nascent Iron-Sulfur Clusters to Mammalian Respiratory Chain Complexes I-III. *Cell metabolism*, 25(4), 945.