

Resource Summary Report

Generated by [NIF](#) on Jul 28, 2026

Anti-ORAI1 antibody produced in rabbit

RRID:AB_1078883

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# O8264, RRID:AB_1078883

Antibody Information

URL: http://antibodyregistry.org/AB_1078883

Proper Citation: Sigma-Aldrich Cat# O8264, RRID:AB_1078883

Target Antigen: ORAI1 antibody produced in rabbit

Host Organism: rabbit

Clonality: polyclonal

Comments: Vendor recommendations: Immunofluorescence; Western Blot; indirect immunofluorescence: 10-20 mug/mL

Antibody Name: Anti-ORAI1 antibody produced in rabbit

Description: This polyclonal targets ORAI1 antibody produced in rabbit

Target Organism: human

Antibody ID: AB_1078883

Vendor: Sigma-Aldrich

Catalog Number: O8264

Record Creation Time: 20250820T030043+0000

Record Last Update: 20250820T150648+0000

Ratings and Alerts

No rating or validation information has been found for Anti-ORAI1 antibody produced in rabbit.

No alerts have been found for Anti-ORAI1 antibody produced in rabbit.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Lopez JJ, et al. (2025) A subset of Orai1⁺ and Orai1⁻ subunits heteromerizes to form CRAC channels. Cell communication and signaling : CCS, 23(1), 260.

Macias-Diaz A, et al. (2025) Orai1 plays a critical role in Orai3 synthesis and stability in luminal breast cancer cells. Cell calcium, 132, 103089.

Chalmers SB, et al. (2025) Remodeling of calcium signaling and store operated calcium entry as a consequence of human neural progenitor cell differentiation. Scientific reports, 15(1), 38867.

Grieve AG, et al. (2021) Conformational surveillance of Orai1 by a rhomboid intramembrane protease prevents inappropriate CRAC channel activation. Molecular cell, 81(23), 4784.

Baraniak JH, et al. (2021) Orai channel C-terminal peptides are key modulators of STIM-Orai coupling and calcium signal generation. Cell reports, 35(13), 109322.

Cantonero C, et al. (2020) Arachidonic Acid Attenuates Cell Proliferation, Migration and Viability by a Mechanism Independent on Calcium Entry. International journal of molecular sciences, 21(9).

Gibhardt CS, et al. (2020) Oxidative Stress-Induced STIM2 Cysteine Modifications Suppress Store-Operated Calcium Entry. Cell reports, 33(3), 108292.

Huang L, et al. (2019) Glucagon-like peptide-1 receptor pathway inhibits extracellular matrix production by mesangial cells through store-operated Ca²⁺ channel. Experimental biology and medicine (Maywood, N.J.), 244(14), 1193.

van Vliet AR, et al. (2017) The ER Stress Sensor PERK Coordinates ER-Plasma Membrane Contact Site Formation through Interaction with Filamin-A and F-Actin Remodeling. Molecular cell, 65(5), 885.