

# Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

## TrpC1 Trp channel

RRID:AB\_10999751

Type: Antibody

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### Proper Citation

Antibodies Incorporated Cat# 73-278, RRID:AB\_10999751

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_10999751](http://antibodyregistry.org/AB_10999751)

**Proper Citation:** Antibodies Incorporated Cat# 73-278, RRID:AB\_10999751

**Target Antigen:** TrpC1 Trp channel

**Clonality:** monoclonal

**Comments:** Applications: IB, ICC

Validation status: IF or IB (Pass), IB in brain (Pass), IHC in brain (ND), KO (Pass)

This clone is associated with these products: purified (Antibodies Incorporated, Cat# 75-278, RRID:AB\_2315951), supernatant (Antibodies Incorporated, Cat# 73-278, RRID:AB\_10999751), hybridoma (UC Davis/NIH NeuroMab Facility, Cat# 1F1, RRID:AB\_2877480)

**Antibody Name:** TrpC1 Trp channel

**Description:** This monoclonal targets TrpC1 Trp channel

**Target Organism:** rat, mouse, human

**Clone ID:** 1F1

**Antibody ID:** AB\_10999751

**Vendor:** Antibodies Incorporated

**Catalog Number:** 73-278

**Record Creation Time:** 20250819T220410+0000

**Record Last Update:** 20250820T010027+0000

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### Ratings and Alerts

No rating or validation information has been found for TrpC1 Trp channel.

No alerts have been found for TrpC1 Trp channel.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Guo Y, et al. (2026) Macrophage glycine transporter supports IL-1 $\beta$  production by modulating the AKT1/mTOR/NLRP3 pathway. *Cell reports*, 45(1), 116683.

Wang Z, et al. (2025) Actions of dexmedetomidine in regulating NLRP3 in postoperative cognitive dysfunction in aged mice via the autophagy-lysosome pathway. *British journal of pharmacology*, 182(8), 1683.

Zhang Y, et al. (2025) Elevated expression of circular RNA circ0001415 attenuates acinar cell pyroptosis during acute pancreatitis. *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*.

Bourne CM, et al. (2025) A Potent Inhibitor of Caspase-8 Based on the IL-18 Tetrapeptide Sequence Reveals Shared Specificities between Inflammatory and Apoptotic Initiator Caspases. *ACS bio & med chem Au*, 5(4), 565.

Huang X, et al. (2025) The Hippo pathway kinase MST1 mediates a feedback loop to maintain NLRP3 inflammasome homeostasis. *Cell reports*, 44(8), 116076.

Yu F, et al. (2025) Protein lactylation of citrate synthase promotes the AKI-CKD transition by activating the NLRP3 inflammasome. *Cell reports*, 44(8), 116084.

Li X, et al. (2025) Uric Acid Causes Pancreatic  $\beta$  Cell Death and Dysfunction via Modulating CHOP-Mediated Endoplasmic Reticulum Stress Pathways. *Diseases (Basel, Switzerland)*, 13(7).

Shan M, et al. (2025) Itaconate promotes inflammatory responses in tissue-resident alveolar macrophages and exacerbates acute lung injury. *Cell metabolism*, 37(8), 1750.

Shin J, et al. (2025) Microglial pyroptosis drives neuropathic pain and targeting NLRP3 alleviates pain and neuroinflammation. *Biochimica et biophysica acta. Molecular basis of disease*, 1871(4), 167737.

Dhar K, et al. (2025) Programmed cell revival from imminent cell death enhances tissue repair and regeneration. *The EMBO journal*.

Tang Y, et al. (2024) Cardiolipin oxidized by ROS from complex II acts as a target of gasdermin D to drive mitochondrial pore and heart dysfunction in endotoxemia. *Cell reports*, 43(5), 114237.

Wang X, et al. (2024) TUDCA alleviates atherosclerosis by inhibiting AIM2 inflammasome and enhancing cholesterol efflux capacity in macrophage. *iScience*, 27(6), 109849.

Zhang Y, et al. (2024) Upregulation of circ0000381 attenuates microglial/macrophage pyroptosis after spinal cord injury. *Neural regeneration research*, 19(6), 1360.

Hou Y, et al. (2024) Tmem30a protects against podocyte injury through suppression of pyroptosis. *iScience*, 27(6), 109976.

Bai S, et al. (2024) Extracellular vesicles from alveolar macrophages harboring phagocytosed methicillin-resistant *Staphylococcus aureus* induce necroptosis. *Cell reports*, 43(7), 114453.

Yang F, et al. (2024) GEFT inhibits the GSDM-mediated proptosis signalling pathway, promoting the progression and drug resistance of rhabdomyosarcoma. *Cell death & disease*, 15(11), 867.

Ma MH, et al. (2023) Repurposing nitazoxanide as a novel anti-atherosclerotic drug based on mitochondrial uncoupling mechanisms. *British journal of pharmacology*, 180(1), 62.

Jin Y, et al. (2023) Engineer a double team of short-lived and glucose-sensing bacteria for cancer eradication. *Cell reports. Medicine*, 4(6), 101043.

Green JP, et al. (2023) Discovery of an inhibitor of DNA-driven inflammation that preferentially targets the AIM2 inflammasome. *iScience*, 26(5), 106758.

Huang Y, et al. (2022) Inflammasome Activation and Pyroptosis via a Lipid-regulated SIRT1-p53-ASC Axis in Macrophages From Male Mice and Humans. *Endocrinology*, 163(4).