

Resource Summary Report

Generated by [RRID](#) on Aug 9, 2026

cGAS (D3O8O) Rabbit mAb (Mouse Specific)

RRID:AB_2799008

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 31659, RRID:AB_2799008

Antibody Information

URL: http://antibodyregistry.org/AB_2799008

Proper Citation: Cell Signaling Technology Cat# 31659, RRID:AB_2799008

Target Antigen: cGAS

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP

Antibody Name: cGAS (D3O8O) Rabbit mAb (Mouse Specific)

Description: This monoclonal targets cGAS

Target Organism: m

Clone ID: Clone D3O8O

Antibody ID: AB_2799008

Vendor: Cell Signaling Technology

Catalog Number: 31659

Record Creation Time: 20250820T030415+0000

Record Last Update: 20250820T151626+0000

Ratings and Alerts

No rating or validation information has been found for cGAS (D3O8O) Rabbit mAb (Mouse Specific).

No alerts have been found for cGAS (D3O8O) Rabbit mAb (Mouse Specific).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 77 mentions in open access literature.

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

Swancutt KL, et al. (2026) Immune Stromal Components Impede Biological Effectiveness of Carbon Ion Therapy in a Preclinical Model of Pancreatic Ductal Adenocarcinoma. *Molecular cancer therapeutics*, 25(2), 333.

Wang X, et al. (2026) Chemotherapy triggers immune evasion by fostering LEPR+ Kupffer cell differentiation in liver metastases. *Cancer cell*, 44(3), 658.

Mosley SR, et al. (2026) Cytosolic DNA structures produced by mismatch repair deficiency coordinate anti-tumor immunity in colorectal cancer. *Cell reports*, 45(3), 117012.

Fahmy AM, et al. (2026) STING dampens the unfolded protein response to enable the presentation of self-antigens on MHC-I during inflammation. *Cell reports*, 45(6), 117497.

Li Q, et al. (2026) Melatonin alleviates neuroinflammation in ischemic stroke by regulating cyclic GMP-AMP synthase- mediated microglial pyroptosis signaling. *Neural regeneration research*, 21(6), 2380.

Yang Q, et al. (2026) MSH6 regulates cGAS activity in antiviral and antitumor signaling pathways by governing its cytosolic/nuclear distribution. *Cell reports*, 45(3), 117059.

Wang Y, et al. (2026) Flavin adenine dinucleotide is an endogenous suppressor for cytosolic DNA and RNA sensors to modulate innate immunity. *Immunity*.

Ragland SA, et al. (2026) Purine and pyrimidine-based bacterial cyclic dinucleotides egress the phagosome and activate the innate immune sensor STING. *Immunity*.

Sun P, et al. (2025) A fluorescent STING ligand sensor for high-throughput screening of compounds that can enhance tumor immunotherapy. *Cell reports methods*, 5(7), 101106.

Huai W, et al. (2025) OAS cross-activates RNase L intercellularly through cell-to-cell transfer of 2-5A to spread innate immunity. *Immunity*, 58(4), 797.

Shafiq S, et al. (2025) Microglial deficiency in the ATRX chromatin remodeler elicits a viral mimicry immune response that impacts neuronal function and behavior. *PLoS biology*, 23(9), e3002659.

Ding Z, et al. (2025) MLKL activates the cGAS-STING pathway by releasing mitochondrial DNA upon necroptosis induction. *Molecular cell*, 85(13), 2610.

Li H, et al. (2025) T cell-intrinsic cGAS-CTCF regulation maintains regulatory T cell development and function. *Cell reports*, 44(10), 116302.

Ding H, et al. (2025) Aberrant STING activation promotes macrophage senescence by suppressing autophagy in vascular aging from diabetes. *iScience*, 28(1), 111594.

Dumesic PA, et al. (2025) RBM43 controls PGC1 β translation and a PGC1 β -STING signaling axis. *Cell metabolism*, 37(3), 742.

Zhang X, et al. (2025) Mechanical Force-Induced cGAS Activation in Carcinoma Cells Facilitates Splenocytes into Liver to Drive Metastasis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(8), e2401127.

Mukhi D, et al. (2025) The actin and microtubule network regulator WHAMM is identified as a key kidney disease risk gene. *Cell reports*, 44(4), 115462.

Peng Q, et al. (2025) RSK1 reprograms the ubiquitin pathway to promote immune suppression. *Cell reports*, 44(10), 116323.

Herbst M, et al. (2025) Cancer-cell-derived cGAMP limits the activity of tumor-associated CD8 $^{+}$ T cells. *Cell reports*, 44(4), 115510.

Rao K, et al. (2025) Lactylation orchestrates ubiquitin-independent degradation of cGAS and promotes tumor growth. *Cell reports*, 44(4), 115441.