

# cGAS Rabbit mAb

Catalog No.: A28846 **Recombinant**

## Basic Information

### Observed MW

### Calculated MW

58 kDa

### Category

Primary antibody

### Applications

ICC,ELISA

### Cross-Reactivity

Mouse

### CloneNo number

ARC80897

## Background

The protein encoded by this gene is a DNA binding cytosolic protein that catalyzes the synthesis of cyclic guanosine monophosphate-adenosine monophosphate (cGAMP) after sensing the presence of DNA in the cytoplasm. cGAMP binds another protein, Stimulator of interferon genes (STING), leading to the induction of interferons, and a host immune response. Reduced expression of this gene inhibits interferon induction in the presence of some viral infections. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**ICC** 1:200 - 1:400

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ( $\geq 1:10000$ ) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID

214763

### Swiss Prot

Q8C6L5

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.


### Synonyms

Mb21d1; E330016A19Rik

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

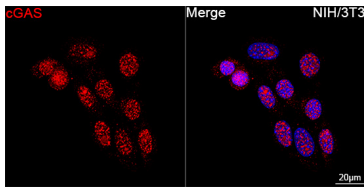
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

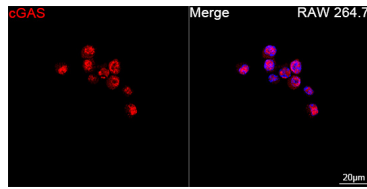
Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Confocal imaging of NIH/3T3 cells using cGAS Rabbit mAb (A28846, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of RAW 264.7 cells using cGAS Rabbit mAb (A28846, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.