

# cGAS Recombinant Rabbit Monoclonal Antibody (10H1L5)

| Product Details    |  |
|--------------------|--|
| Size               | 100 µg   |
| Species Reactivity | Mouse  |
| Host/Isotype       | Rabbit / IgG   |
| Class              | Recombinant Monoclonal   |
| Type               | Antibody   |
| Clone              | 10H1L5   |
| Conjugate          | Unconjugated   |
| Immunogen          | Protein corresponding to mouse cGAS [aa147-aa507]  |
| Form               | Liquid   |
| Concentration      | 0.5 mg/mL  |
| Purification       | Protein A  |
| Storage buffer     | PBS, pH 7.4  |
| Contains           | 0.09% sodium azide   |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID               | AB_2809227   |

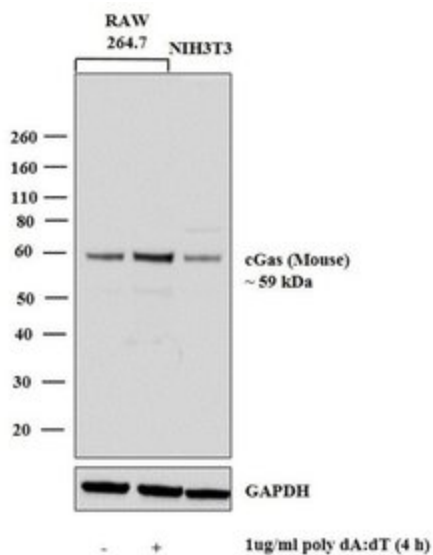
| Applications      | Tested Dilution | Publications |
|-------------------|-----------------|--------------|
| Western Blot (WB) | 1:1000          | -            |

## Product Specific Information

This antibody is predicted to react with Monkey, Rat, Pig.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

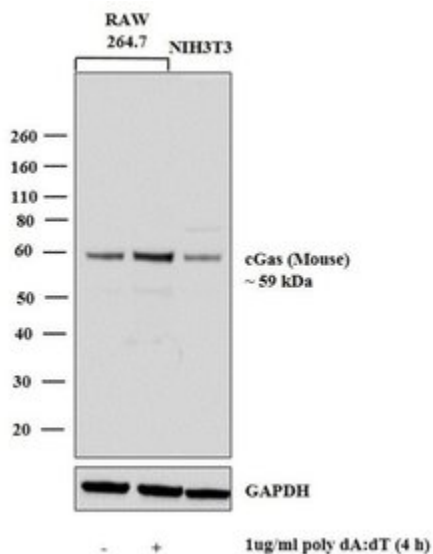
## Advanced Verification Data



### cGAS Antibody (703149)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Anti-cGAS (Mouse) Recombinant Rabbit Monoclonal Antibody (Product # 703149, 1:1000 dilution), shows increased expression of cGAS (Mouse) in RAW 264.7 cell line upon transfection with poly dA:dT (1.33 µg/ml for 16 hrs). Cell treatment validation info.

## Product Images For cGAS Recombinant Rabbit Monoclonal Antibody (10H1L5)



### cGAS Antibody (703149) in WB

Western blot analysis was performed on whole Cell extracts (30 µg lysate) of RAW 264.7 (Lane 1), RAW 264.7 transfected with poly dA:dT (1.33 µg/ml for 16 hrs) (Lane 2) and NIH/3T3 (Lane 3). The blot was probed with Anti-cGAS (Mouse) Recombinant Rabbit Monoclonal Antibody (Product # 703149, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution). A 59 kDa band corresponding to cGAS (Mouse) was observed across the cell lines tested.

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