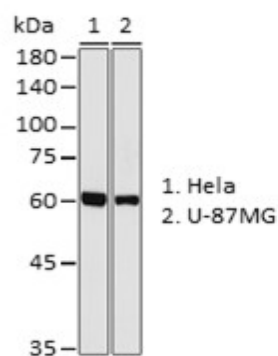
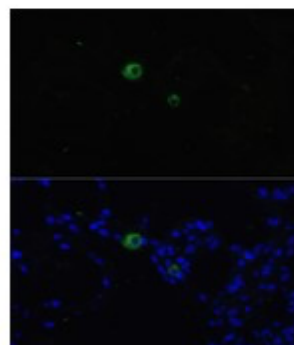


Product Name: cGAS Rabbit pAb
Catalog #: Z5012-20; Z5012-100
Also Known As: MB21D1; C6orf150; cGAS; h-cGAS; CGAS
Quantity: 20 µl for Z5012-20; 100 µl for Z5012-100
Concentration: See labels on tube
Host Species: Rabbit
Isotype: IgG
Reactivity: Human, Mouse, Rat
Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 350-522 of human cGAS.
Swiss Prot. #: Q8N884
Calculated MW: 58kDa
Detected MW: 60KDa
Applications: WB (1:500 - 1:2,000)
 IHC (1:50 - 1:200)
 IF (1:50 - 1:100)
 IP (not tested)
 Note: Antibody dilution should be optimized by users.

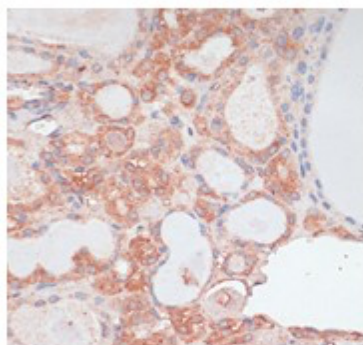
Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using cGAS antibody (Z5012) at 1:1,000 dilution.



Immunofluorescence of rat lung using cGAS antibody (Z5012) at 1:100 dilution. Blue: DAPI nuclear staining.



Immunohistochemistry of paraffin-embedded human thyroid cancer using cGAS antibody (Z5012) at 1:100 dilution.

- Purification:** Protein A or G affinity purification
- Buffer:** PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Storage:** Store at -20°C. Centrifuge to maximize product recovery.
- Background:** cGAS is an antiviral enzyme that produces the second messenger cyclic-GMP-AMP (cGAMP) in response to cytoplasmic DNA. The cGAS protein acts as a cytosolic DNA sensor that binds DNA and produces the cGAMP second messenger using ATP and GTP.
- Reference:**
1. Sun L, et al. (2013) Science 339, 786-791.
 2. Wu J, et al. (2013) Science 339, 826-830.