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Anti-cGAS Rabbit pAb (A72139)

Catalog No.: A72139

Basic Information

Catalog No. (Cat.No.)	A72139
Host species	Rabbit
Reactivity	Human,Mouse
Applications	WB
Synonyms	cGAS,Cyclic GMP-AMP synthase

Product Information

Target	cGAS
Molecular Weight(Calculated)	57 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Polyclonal
Clone No.	NA
RRID	NA
Storage buffer	50% Glycerol, 0.5% BSA and 0.02% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:2000

Target Information

Protein Name	Cyclic GMP-AMP synthase
Gene Name	*CGAS*
Domain	NA
Background	cGAS (Cyclic GMP-AMP synthase) is a cytosolic pattern-recognition receptor of nucleotidyltransferase family. Upon binding abnormal cytoplasmic DNA from invading pathogens or damaged host nuclei, cGAS synthesizes second-messenger cGAMP to activate STING-dependent signaling, triggering type-I interferon and pro-inflammatory cytokine production for innate immune defense. cGAS-STING axis mediates anti-pathogen and anti-tumor immunity, while its hyper-activation drives auto-inflammatory disorders.