Ablumir
Built Around Immunology

Anti-cGAS Rabbit mAb [55H80]

Catalog No.: A52211

Basic Information

Catalog No. (Cat.No.)	A52211
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Synonyms	cGAS,Cyclic GMP-AMP synthase

Product Information

Target	cGAS
Molecular Weight(Calculated)	62 kDa
Molecular Weight(Observed)	62 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	55H80
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% 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	1:1000-1:5000
IHC	1:100-1:500
IF	1:200-1:1000
ELISA	1:5000-1:20000

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.