

Mouse anti-Human cGAS Monoclonal Antibody | anti-CGAS antibody

cGAS Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283089	Mouse	Human	ELISA, Immunohistochemistry, Western Blot

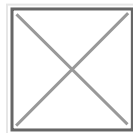
PRODUCT SYNONYMS

cGAS; Monoclonal Antibody; cGAS Mouse mAb; MB21D1; h-cGAS; C6orf150; anti-CGAS antibody

PRODUCT SPECIFICATIONS

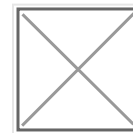
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a kappa
Purity/Purification	Affinity purification
Sequence	MQPWHGKAMQ RASEAGATAP KASARNARGA PMDPTESPAA PEAALPKAGK FGPARKSGSR QKKSAPDTQE RPPVRATGAR AKKAPQRAQD TQPSDATSAP
Applicable Applications for anti-CGAS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human cGAS (Q8N884).
Preparation and Storage	Store at 4 degree C. Avoid freeze/thaw cycles.

IMAGES



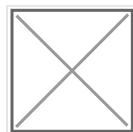
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using cGAS Mouse mAb (AAA283089) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



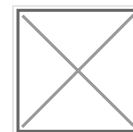
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using cGAS Mouse mAb (AAA283089) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using cGAS Mouse mAb (AAA283089) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using cGAS Mouse mAb (AAA283089) at 1:1000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 20s.

ADDITIONAL INFORMATION

Related Product Information for anti-CGAS antibody	Enables several functions, including 2', 3'-cyclic GMP-AMP synthase activity; chromatin binding activity; and phosphatidylinositol-4, 5-bisphosphate binding activity. Involved in several processes, including cellular response to exogenous dsRNA; positive regulation of intracellular signal transduction; and regulation of defense response. Located in several cellular components, including cytosol; nucleus; and site of double-strand break.
Product Categories/Family for anti-CGAS antibody	Cell Biology Developmental Biology; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	115511030
NCBI GeneID	115004
NCBI Accession #	NP_612450
NCBI GenBank Nucleotide #	NM_138441.2
UniProt Accession #	Q8N884; Q14CV6; Q32NC9; Q5SWL0; Q5SWL1; Q96E45; L0L2J9
Molecular Weight	Calculated MW: 59kDa Observed MW: 63kDa
UniProt Protein Name	Cyclic GMP-AMP synthase
UniProt Gene Name	MB21D1
UniProt Synonym Gene Names	C6orf150; cGAMP synthase; cGAS; h-cGAS
UniProt Entry Name	CGAS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cgas-antibody-immunohistochemistry-western-blot-elisa/283089>