

Mouse anti-Human GNMT Monoclonal Antibody | anti-GNMT antibody

GNMT antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48174	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

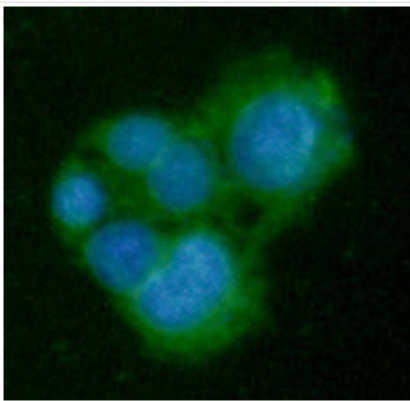
PRODUCT SYNONYMS

GNMT; Monoclonal Antibody; GNMT antibody; Glycine N-methyltransferase; Glycine N-methyltransferase EC 2.1.1.20; Glycine N methyltransferase.; anti-GNMT antibody

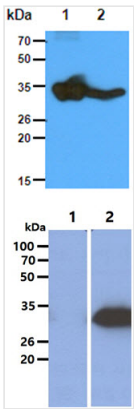
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT5D1
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	295
Applicable Applications for anti-GNMT antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human GNMT (1-295aa) purified from E. coli
Clone Note	Anti-human GNMT mAb, clone AT5D1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human GNMT protein
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of GNMT in HepG2 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human GNMT antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The Recombinant protein (50ng) and Tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GNMT antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : GNMT recombinant protein Lane 2. : Liver tissue lysate
The Cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GNMT antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : 293T cell lysate Lane 2. : GNMT Transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GNMT antibody	Ras-related protein Glycine N-methyltransferase (GNMT) catalyzes the methylation of glycine by using S-adenosylmethionine (AdoMet) to form N-methylglycine (sarcosine) with the concomitant production of S-adenosylhomocysteine (AdoHcy). Possible crucial role in the regulation of tissue concentration of AdoMet and of metabolism of methionine.
Product Categories/Family for anti-GNMT antibody	Signal Transduction; Metabolism
References	Velichkova., et al. (2006) J Phys Chem B. 109: 8216-8219.; Huang YC., et al. (2008) J Gastroenterol Hepatol. 23: 1384.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506741
NCBI GeneID	27232
NCBI Accession #	NP_061833
NCBI GenBank Nucleotide #	NM_018960.5
UniProt Accession #	Q14749; Q5T8W2; Q9NNZ1; Q9NS24
Molecular Weight	32,742 Da
NCBI Official Full Name	glycine N-methyltransferase isoform 1
NCBI Official Synonym Full Names	glycine N-methyltransferase
NCBI Official Symbol	GNMT
NCBI Official Synonym Symbols	HEL-S-182mP
NCBI Protein Information	glycine N-methyltransferase
UniProt Protein Name	Glycine N-methyltransferase
UniProt Gene Name	GNMT

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/gnmt-antibody-clone-at5d1-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48174>