

Mouse anti-Human MAT2A Monoclonal Antibody | anti-MAT2A antibody

MAT2A antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48047	Mouse	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

MAT2A; Monoclonal Antibody; MAT2A antibody; Methionine adenosyltransferase II alpha; MATA2; MATII; SAMS2; Methionine adenosyltransferase II; alpha AdoMet synthetase; AdoMet synthetase 2; AMS 2; MAT II; MATA 2; Methionine adenosyltransferase; Methionine adenosyltransferase 2; SAMS 2; S adenosylmethionine synthetase gamma form; S adenosylmethionine synthetase isoform type 2; S-adenosylmethionine synthetase isoform type 2; anti-MAT2A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT3A2
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	395
Applicable Applications for anti-MAT2A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human MAT2A (1-395aa) purified from E. coli
Clone Note	Anti-human MAT2A mAb, clone AT3A2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human MAT2A 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 MAT2A in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human MAT2A antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



IHC (Immunohistochemistry)

Paraffin embedded sections of human colon cancer tissue were incubated with anti-human MAT2A (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



WB (Western Blot)

Cell lysates of HepG2 (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human MAT2A (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MAT2A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : Ramos cell lysate Lane 3. : 293T cell lysate Lane 4. : Jurkat cell lysate Lane 5. : NIH-3T3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MAT2A antibody	Methionine adenosyltransferase II (MAT II) is a key enzyme in cellular metabolism and catalyzes the formation of S-adenosylmethionine (SAME) from L-methionine and ATP. MAT2A is expressed in extrahepatic tissues. In liver, MAT2A expression associates with growth, dedifferentiation, and cancer.
Product Categories/Family for anti-MAT2A antibody	Metabolism
References	Ramani K, et al., (2008) Hepatology 47 (2):521-531; Chen H, et al., (2007) Gastroenterology 133 (1):207-218

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174529
NCBI GeneID	4144
NCBI Accession #	NP_005902
NCBI GenBank Nucleotide #	NM_005911.5
UniProt Accession #	P31153; Q53SP5; A8K511; B4DN45; D6W5L1
Molecular Weight	32,965 Da
NCBI Official Full Name	S-adenosylmethionine synthase isoform type-2
NCBI Official Synonym Full Names	methionine adenosyltransferase 2A
NCBI Official Symbol	MAT2A
NCBI Official Synonym Symbols	MATA2; MATII; SAMS2
NCBI Protein Information	S-adenosylmethionine synthase isoform type-2
UniProt Protein Name	S-adenosylmethionine synthase isoform type-2
UniProt Gene Name	MAT2A
UniProt Synonym Gene Names	AMS2; MATA2; MAT-II

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/mat2a-antibody-clone-at3a2-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/48047>