

Rabbit MAT1A Polyclonal Antibody | anti-MAT1A antibody

MAT1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323034	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

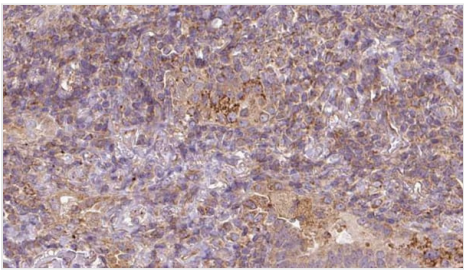
PRODUCT SYNONYMS

MAT1A; Polyclonal Antibody; MAT1A Antibody; AdoMet; AdoMet synthetase 1; AI046368; Ams; MAT; MAT I/III; MATA1; Methionine adenosyltransferase 1; Methionine adenosyltransferase I; alpha; Methionine adenosyltransferase I/III; MGC108563; S adenosylmethionine synthetase isoform type 1; SADE; SAMS; SAMS1; anti-MAT1A antibody

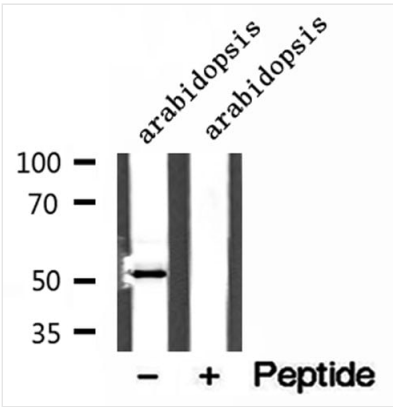
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAT1A antibody detects endogenous levels of MAT1A.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	395
Applicable Applications for anti-MAT1A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAT1A.
Tissue Specificity	Expressed in liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323034 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse liver tissue, using MAT1A antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAT1A antibody	Function: Catalyzes the formation of S-adenosylmethionine from methionine and ATP. The reaction comprises two steps that are both catalyzed by the same enzyme: formation of S-adenosylmethionine (AdoMet) and triphosphate, and subsequent hydrolysis of the triphosphate. Subunit Structure: Homotetramer (MAT-I); dimer of dimers (PubMed:23425511). Homodimer (MAT-III) (By similarity). Post-translational Modifications: S-nitrosylation of Cys-120 inactivates the enzyme. An intrachain disulfide bond can be formed. The protein structure shows that the relevant Cys residues are in a position that would permit formation of a disulfide bond. Similarity: Belongs to the AdoMet synthase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557737
NCBI GeneID	4143
NCBI Accession #	NP_000420.1
NCBI GenBank Nucleotide #	NM_000429.2
UniProt Accession #	Q00266; Q5QP09; D3DWD5
Molecular Weight	Observed: 44-55 kDa Predicted: 44 kDa
NCBI Official Full Name	S-adenosylmethionine synthase isoform type-1
NCBI Official Synonym Full Names	methionine adenosyltransferase 1A
NCBI Official Symbol	MAT1A
NCBI Official Synonym Symbols	MAT; SAMS; MATA1; SAMS1
NCBI Protein Information	S-adenosylmethionine synthase isoform type-1
UniProt Protein Name	S-adenosylmethionine synthase isoform type-1
UniProt Gene Name	MAT1A
UniProt Synonym Gene Names	AMS1; MATA1; AdoMet synthase 1; MAT 1; MAT-I/III

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.

