

Rabbit anti-Human MAT / MAT1A Polyclonal Antibody | anti-MAT antibody

Rabbit Polyclonal to Human MAT / MAT1A

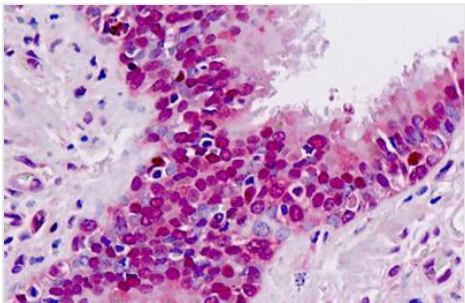
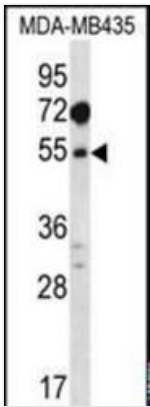
CATALOG # AAA52526	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

MAT / MAT1A; Polyclonal Antibody; Rabbit Polyclonal to Human MAT / MAT1A; Anti-MAT / MAT1A Antibody (aa114-144) IHC-plus; MAT1A; AdoMet synthase 1; AdoMet synthetase 1; MAT 1; MAT-I/III; MATA1; AMS1; MAT; SAMS1; SAMS; Human MAT; anti-MAT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human MAT / MAT1A
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.09% sodium azide
Sequence Length	395
Applicable Applications for anti-MAT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	KLH-conjugated synthetic peptide from N-terminal region of human MAT1A.
Immunogen Type	Synthetic peptide
Immunogen	MAT / MAT1A antibody was raised against KLH-conjugated synthetic peptide from N-terminal region of human MAT1A.
Antigen Modification	aa114-144
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.



IHC (Immunohistochemistry)
Anti-MAT / MAT1A antibody IHC staining of human lung. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

WB (Western Blot)
MAT1A Antibody (N-term) Western blot of MDA-MB435 cell line lysates (35 ug/lane). This demonstrates the MAT1A antibody detected the MAT1A protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MAT antibody	MAT1A encodes methionine adenosyltransferase I (alpha isoform). MAT1A catalyzes the formation of S-adenosylmethionine from methionine and ATP. Both the beta and alpha isoforms may be encoded by MAT1A. Methionine adenosyltransferase deficiency is known to be caused by recessive as well as dominant mutations, the latter identified in autosomal dominant persistent hypermethioninemia.
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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	43,648 Da
NCBI Official Full Name	S-adenosylmethionine synthase isoform type-1
NCBI Official Synonym Full Names	methionine adenosyltransferase I, alpha
NCBI Official Symbol	MAT1A
NCBI Official Synonym Symbols	MAT; SAMS; MATA1; SAMS1
NCBI Protein Information	S-adenosylmethionine synthase isoform type-1; MAT 1; MAT-I/III; adoMet synthase 1; adoMet synthetase 1; methionine adenosyltransferase 1; methionine adenosyltransferase I/III; S-adenosylmethionine synthetase 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
UniProt Entry Name	METK1_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.