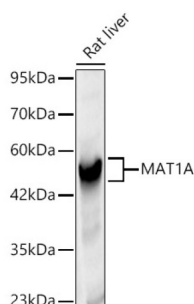


S-Adenosylmethionine Synthase Isoform Type-1 (MAT1A) Antibody

Catalogue No.: abx005097



Western blot analysis of lysates from Rat liver, using MAT1A Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 5s.

MAT1A Antibody is a Rabbit Polyclonal antibody against MAT1A. This gene catalyzes a two-step reaction that involves the transfer of the adenosyl moiety of ATP to methionine to form S-adenosylmethionine and triphosphosphate, which is subsequently cleaved to PPi and Pi. S-adenosylmethionine is the source of methyl groups for most biological methylations. The encoded protein is found as a homotetramer (MAT I) or a homodimer (MAT III) whereas a third form, MAT II (gamma), is encoded by the MAT2A gene. Mutations in this gene are associated with methionine adenosyltransferase deficiency.

Target:	S-Adenosylmethionine Synthase Isoform Type-1 (MAT1A)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-395 of human MAT1A.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q00266 (UniProt , ExPASy)

Datasheet

Version: 4.0.0

Revision date: 13 Mar 2025



Gene Symbol: MAT1A

GeneID: [4143](#)

NCBI Accession: NP_000420.1

KEGG: hsa:4143

String: [9606.ENSP00000361287](#)

Molecular Weight: Calculated MW: 44 kDa
Observed MW: 44-55 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only