

MAT1A Rabbit pAb

Catalog No.: A2630 **1 Publications**

Basic Information

Observed MW

44kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

4143

Swiss Prot

Q00266

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-395 of human MAT1A (NP_000420.1).

Synonyms

MAT; SAMS; MATA1; SAMS1; MAT1A

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

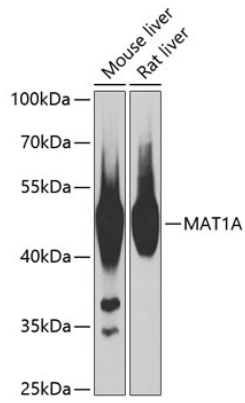
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of extracts of various cell lines, using MAT1A antibody (A2630) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.