

MAT1A

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 43kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human MAT1A

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

MAT; SAMS; MATA1; SAMS1;

Catalog #: A6650

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 4143

Isotype: IgG

Swiss Prot: Q00266

Purity: Affinity purification

For research use only.

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.

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