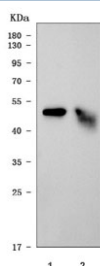


Mat1a Antibody / Methionine adenosyltransferase 1 (RQ7348)

Catalog No.	Formulation	Size
RQ7348	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q91X83
Applications	Western Blot : 0.5-1ug/ml
Limitations	This MAT1A antibody is available for research use only.



Western blot testing of 1) rat liver and 2) mouse liver tissue lysate with Mat1a antibody. Predicted molecular weight ~44 kDa.

Description

S-adenosylmethionine synthase isoform type-1 / Methionine adenosyltransferase 1 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.

Application Notes

Optimal dilution of the MAT1A antibody should be determined by the researcher.

Immunogen

Amino acids DYQRVVRDTIKHIGYDD were used as the immunogen for the MAT1A antibody.

Storage

After reconstitution, the MAT1A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.