

Product datasheet for **TA321125S**

MAT1A Rabbit Polyclonal Antibody

Product data:

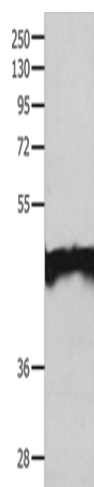
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Jurkat cells
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 16-394 amino acids of human methionine adenosyltransferase I, alpha
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	methionine adenosyltransferase 1A
Database Link:	NP_000420 Entrez Gene 11720 Mouse Entrez Gene 25331 Rat Entrez Gene 4143 Human Q00266
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.
Synonyms:	MAT; MATA1; SAMS; SAMS1
Protein Families:	Druggable Genome



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Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism

Product images:



Gel: 10%SDS-PAGE
Lysate: 40 μ g
Lane: Jurkat cells
Primary antibody: [TA321125] (MAT1A Antibody)
at dilution 1/200
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 2 minutes