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Datasheet for ABIN7468600

anti-MAT1A antibody



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Overview		
Quantity:	100 μL	
Target:	MAT1A	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MAT1A antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	Recombinant protein encompassing a sequence within the center region of human MAT1A.	
	The exact sequence is proprietary.	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Purification:	Purified by antigen-affinity chromatography.	
Target Details		
Target:	MAT1A	
Alternative Name:	methionine adenosyltransferase 1A (MAT1A Products)	
Background:	Synonyms: methionine adenosyltransferase 1A , MAT , MATA1 , SAMS , SAMS1	
	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 tripolyphosphate, 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.
	[provided by RefSeq]
Molecular Weight:	44 kDa
Gene ID:	4143
UniProt:	Q00266
Pathways:	Mitotic G1-G1/S Phases, M Phase, Ribonucleoside Biosynthetic Process, Methionine
	Biosynthetic Process

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined	
	by the researcher. Not tested in other applications.	
Comment:	Positive Control: mouse liver Validation: Orthogonal, Overexpression	
Restrictions:	For Research Use only	

Handling

Format:	Liquid
Concentration:	1.66 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.