

Datasheet for ABIN656632

anti-MAT1A antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	MAT1A
Binding Specificity:	AA 107-136, N-Term
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:	This MAT1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 107-136 amino acids from the N-terminal region of human MAT1A.
Clone:	RB32086
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MAT1A
Alternative Name:	MAT1A (MAT1A Products)

Target Details

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.
Molecular Weight:	43648
Gene ID:	4143
NCBI Accession:	NP_000420
UniProt:	Q00266
Pathways:	Mitotic G1-G1/S Phases , M Phase , Ribonucleoside Biosynthetic Process , Methionine Biosynthetic Process

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

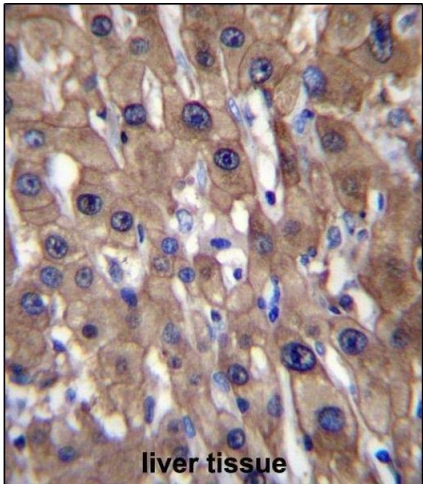
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	MAT1A Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

Publications

Product cited in:	Lu, Zhang, Tan, Luo, Zhao, Ma, Liang, Tan: "GABA A receptor π subunit promotes apoptosis of
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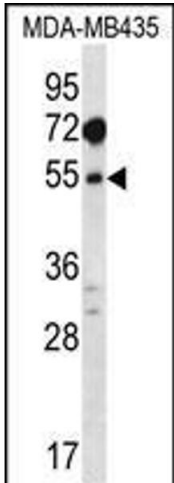
HTR-8/SVneo trophoblastic cells: Implications in preeclampsia." in: **International journal of molecular medicine**, Vol. 38, Issue 1, pp. 105-12, (2017) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. T1A Antibody (N-term) (ABIN656632 and ABIN2845877) immunohistochemistry analysis in forlin fixed and paraffin embedded hun liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of T1A Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. T1A Antibody (N-term) (ABIN656632 and ABIN2845877) western blot analysis in MDA-M cell line lysates (35 µg/lane).This demonstrates the T1A antibody detected the T1A protein (arrow).