Datasheet for ABIN2776785

anti-MAT1A antibody (N-Term)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	MAT1A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAT1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MAT1A
Sequence:	TSESVGEGHP DKICDQISDA VLDAHLKQDP NAKVACETVC KTGMVLLCGE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against MAT1A. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	MAT1A

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Target Details

Alternative Name:	MAT1A (MAT1A Products)
Background:	MAT1A catalyzes the formation of S-adenosylmethionine from methionine and ATP. Methionine adenosyltransferase deficiency is caused by recessive and dominant mutations, the latter identified in autosomal dominant persistant hypermethioninemia.This gne encodes methionine adenosyltransferase I (alpha isoform), which catalyzes the formation of S-adenosylmethionine from methionine and ATP. Methionine adenosyltransferase deficiency is caused by recessive and dominant mutations, the latter identified in autosomal dominant persistant hypermethioninemia. Alias Symbols: MAT, MATA1, SAMS, SAMS1 Protein Interaction Partner: MAT1A, UBC, IST1, MVK, MAT2A, Protein Size: 395
Molecular Weight:	43 kDa
Gene ID:	4143
NCBI Accession:	NM_000429, NP_000420
UniProt:	Q00266
Pathways:	Mitotic G1-G1/S Phases, M Phase, Ribonucleoside Biosynthetic Process, Methionine Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 395 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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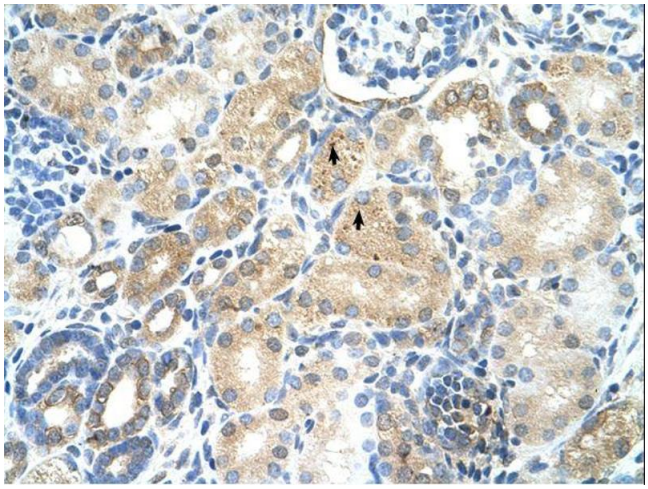
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

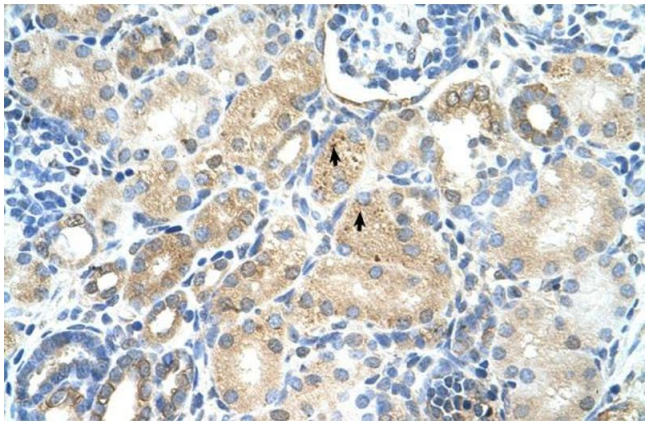


Immunohistochemistry

Image 1.

Western Blotting

Image 2. WB Suggested Anti-MAT1A Antibody Titration: 1.25ug/ml Positive Control: Jurkat cell lysate



Immunohistochemistry

Image 3. Rabbit Anti-MAT1A Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X