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MAT2B Rabbit pAb

Catalog # AP99083

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NZL9
Other Accession	Q9NZL9
Predicted	Rat, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37552
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MAT 2B
Epitope Specificity	201-300/334
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the dTDP-4-dehydrorhamnose reductase family. MAT2B subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the methionine adenosyltransferase (MAT) family. MAT catalyzes the biosynthesis of S-adenosylmethionine from methionine and ATP. This protein is the regulatory beta subunit of MAT. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2012]

Additional Information

Gene ID	27430
Other Names	MAT-II; MATIIbeta; Nbla02999; SDR23E1; TGR; 1110064C04Rik; 2410018D16Rik; MAT2beta; MAT2B_BOVIN; MAT2B; Methionine adenosyltransferase II beta (MAT II beta); MAT2B_HUMAN; Putative dTDP-4-keto-6-deoxy-D-glucose 4-reductase; MAT2B_MOUSE; MAT2B_RAT; methionine adenosyltransferase 2 non-catalytic beta subunit; methionine adenosyltransferase II, beta; methionine adenosyltransferase 2B; short chain dehydrogenase/reductase family 23E, member 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MAT2B
Synonyms	TGR
Function	Regulatory subunit of S-adenosylmethionine synthetase 2, an enzyme that catalyzes the formation of S-adenosylmethionine from methionine and ATP. Regulates MAT2A catalytic activity by changing its kinetic properties, increasing its affinity for L-methionine (PubMed:10644686, PubMed:23189196, PubMed:25075345). Can bind NADP (in vitro) (PubMed:23189196, PubMed:23425511).
Tissue Location	Widely expressed.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.