

MAT2B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9534a

Specification

MAT2B Antibody (N-term) - Product Information

Application IHC-P, WB,E **Primary Accession** O9NZL9 NP 037415 Other Accession Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 37552 Antigen Region 80-107

MAT2B Antibody (N-term) - Additional Information

Gene ID 27430

Other Names

Methionine adenosyltransferase 2 subunit beta, Methionine adenosyltransferase II beta, MAT II beta, Putative dTDP-4-keto-6-deoxy-D-glucose 4-reductase, MAT2B, TGR

Target/Specificity

This MAT2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-107 amino acids from the N-terminal region of human MAT2B.

Dilution

IHC-P~~1:50~100 WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MAT2B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MAT2B Antibody (N-term) - 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).

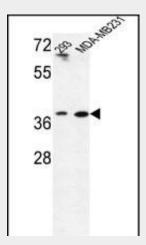
Tissue Location Widely expressed.

MAT2B Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

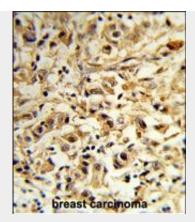
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAT2B Antibody (N-term) - Images



Western blot analysis of MAT2B Antibody (N-term) (Cat. #AP9534a) in293,MDA-MB231 cell line lysates (35ug/lane). MAT2B (arrow) was detected using the purified Pab.





Formalin-fixed and paraffin-embedded human breast carcinoma reacted with MAT2B Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

MAT2B Antibody (N-term) - Background

MAT2B 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.

MAT2B Antibody (N-term) - References

Martinez, C.A., et al. Am. J. Obstet. Gynecol. 201 (4), 394 (2009): Boyles, A.L., et al. Genet. Epidemiol. 33(3):247-255(2009)
Persson, B., et al. Chem. Biol. Interact. 178 (1-3), 94-98 (2009): Attia, R.R., et al. J. Biol. Chem. 283(45):30788-30795(2008)
Wang, Q., et al. World J. Gastroenterol. 14(29):4633-4642(2008)
LeGros, L., et al. J. Biol. Chem. 276(27):24918-24924(2001)