

**MAT2B (isoform 1) Antibody (N-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3803a**Specification**

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**MAT2B (isoform 1) Antibody (N-Term) - Product Information**

Application	WB
Primary Accession	<a href="#">O9NZL9</a>
Other Accession	<a href="#">NP_037415.1</a> , <a href="#">27430</a> , <a href="#">108645 (mouse)</a> , <a href="#">683630 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	37552

**MAT2B (isoform 1) 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

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MAT2B (isoform 1) Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MAT2B (isoform 1) 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:<a

href="http://www.uniprot.org/citations/10644686" target="\_blank">10644686</a>, PubMed:<a href="http://www.uniprot.org/citations/23189196" target="\_blank">23189196</a>, PubMed:<a href="http://www.uniprot.org/citations/25075345" target="\_blank">25075345</a>). Can bind NADP (in vitro) (PubMed:<a href="http://www.uniprot.org/citations/23189196" target="\_blank">23189196</a>, PubMed:<a href="http://www.uniprot.org/citations/23425511" target="\_blank">23425511</a>).

#### Tissue Location

Widely expressed.

#### MAT2B (isoform 1) Antibody (N-Term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### MAT2B (isoform 1) Antibody (N-Term) - Images



AF3803a (0.3 µg/ml) staining of Human Thymus lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### MAT2B (isoform 1) Antibody (N-Term) - Background

This antibody is expected to recognize reported isoform 1 (NP\_037415.1) only.

#### MAT2B (isoform 1) Antibody (N-Term) - References

Cloning, expression, and functional characterization of the beta regulatory subunit of human methionine adenosyltransferase (MAT II). LeGros HL Jr, Halim AB, Geller AM, Kotb M. J Biol Chem. 2000 Jan 28;275(4):2359-66. PMID:

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