

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

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

Application	WB, E
Primary Accession	O9NZL9
Other Accession	NP_037415.1 , 27430 , 108645 (mouse) , 683630 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
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

Dilution

WB~~1:1000

E~~N/A

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:10644686, PubMed:23189196, PubMed:25075345). Can bind NADP (in vitro) (PubMed:23189196, PubMed:23425511).

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:
10644686