

MTAP Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20271a**Specification**

MTAP Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q13126
Other Accession	Q9CQ65 , Q3MHF7 , NP_002442.2
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31236
Antigen Region	8-37

MTAP Antibody (N-term) - Additional Information**Gene ID** 4507**Other Names**

S-methyl-5'-thioadenosine phosphorylase {ECO:0000255|HAMAP-Rule:MF_03155}, 24228
{ECO:0000255|HAMAP-Rule:MF_03155}, 5'-methylthioadenosine phosphorylase
{ECO:0000255|HAMAP-Rule:MF_03155}, MTA phosphorylase
{ECO:0000255|HAMAP-Rule:MF_03155}, MTAP {ECO:0000255|HAMAP-Rule:MF_03155}, MTAPase
{ECO:0000255|HAMAP-Rule:MF_03155}, MTAP {ECO:0000255|HAMAP-Rule:MF_03155}, MSAP

Target/Specificity

This MTAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-37 amino acids from the N-terminal region of human MTAP.

Dilution

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

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

MTAP Antibody (N-term) - Protein Information

Name MTAP {ECO:0000255|HAMAP-Rule:MF_03155}

Synonyms MSAP

Function Catalyzes the reversible phosphorylation of S-methyl-5'- thioadenosine (MTA) to adenine and 5-methylthioribose-1-phosphate. Involved in the breakdown of MTA, a major by-product of polyamine biosynthesis. Responsible for the first step in the methionine salvage pathway after MTA has been generated from S-adenosylmethionine. Has broad substrate specificity with 6-aminopurine nucleosides as preferred substrates.

Cellular Location

Cytoplasm. Nucleus {ECO:0000255|HAMAP- Rule:MF_03155}

Tissue Location

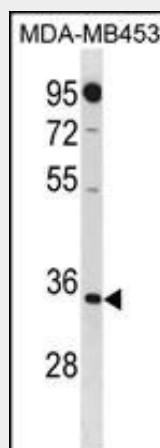
Ubiquitously expressed.

MTAP 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](#)

MTAP Antibody (N-term) - Images



MTAP Antibody (N-term) (Cat. #AP20271a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the MTAP antibody detected the MTAP protein (arrow).

MTAP Antibody (N-term) - Background

This gene encodes an enzyme that plays a major role in polyamine metabolism and is important for the salvage of both adenine and methionine. The encoded enzyme is deficient in many

cancers because this gene and the tumor suppressor p16 gene are co-deleted. Multiple alternatively spliced transcript variants have been described for this gene, but their full-length natures remain unknown.

MTAP Antibody (N-term) - References

Newton-Bishop, J.A., et al. Cancer Epidemiol. Biomarkers Prev. 19(8):2043-2054(2010)
Yang, X.R., et al. Fam. Cancer (2010) In press :
Krasinskas, A.M., et al. Mod. Pathol. 23(4):531-538(2010)
Zhang, Q., et al. Zhonghua Liu Xing Bing Xue Za Zhi 31(1):83-86(2010)
Huang, H.Y., et al. Clin. Cancer Res. 15(22):6963-6972(2009)