

ARG40434 anti-MTAP antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MTAP
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MTAP
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-283 of Human MTAP (NP_002442.2).
Conjugation	Un-conjugated
Alternate Names	5'-methylthioadenosine phosphorylase; MTA phosphorylase; MSAP; LGMBF; EC 2.4.2.28; HEL-249; DMSFH; BDMF; S-methyl-5'-thioadenosine phosphorylase; MTAPase; MTAP; DMSMFH; c86fus

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293T	
Observed Size	31 kDa	

Properties

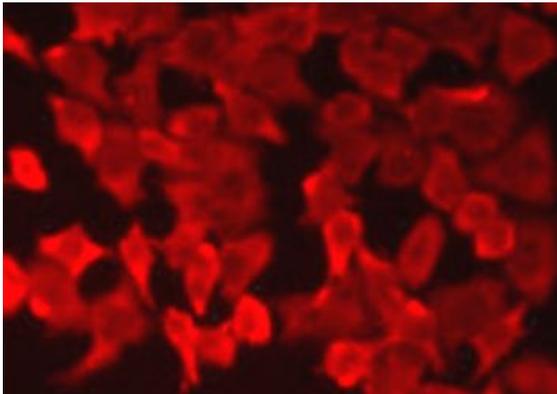
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

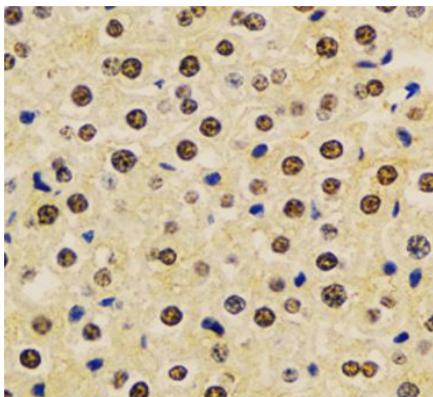
Gene Symbol	MTAP
Gene Full Name	methylthioadenosine phosphorylase
Background	This gene encodes an enzyme that plays a major role in polyamine metabolism and is important for the salvage of both adenine and methionine. The encoded enzyme is deficient in many cancers because this gene and the tumor suppressor p16 gene are co-deleted. Multiple alternatively spliced transcript variants have been described for this gene, but their full-length natures remain unknown. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	31 kDa
Cellular Localization	Cytoplasm. Nucleus. [UniProt]

Images



ARG40434 anti-MTAP antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG40434 anti-MTAP antibody.



ARG40434 anti-MTAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver stained with ARG40434 anti-MTAP antibody at 1:100 dilution.

ARG40434 anti-MTAP antibody WB image

Western blot: 25 µg of 293T cell lysate stained with ARG40434 anti-MTAP antibody at 1:1000 dilution.

