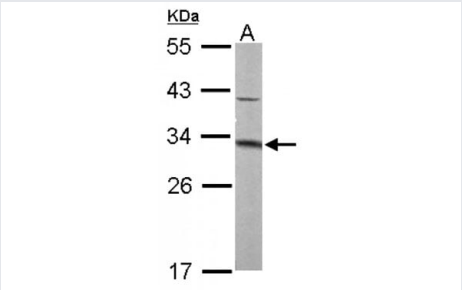
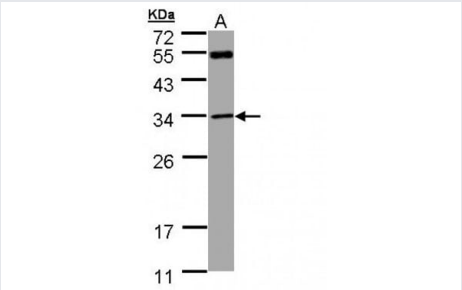
MTAP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

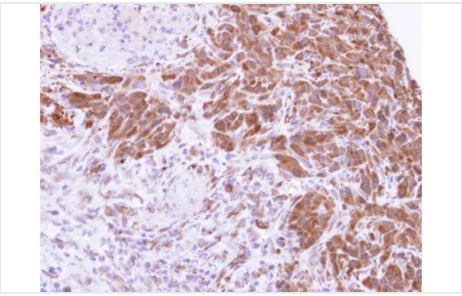
Product Name	MTAP, Polyclonal Antibody
Full Product Name	MTAP antibody
Product Gene Name	anti-MTAP antibody
Product Synonym Names	Polyclonal MTAP; Anti-MTAP; MTAP; MSAP; MeSAdo phosphorylase; c86fus; 5'-methylthioadenosine phosphorylase; MTA phosphorylase; S-methyl-5'-thioadenosine phosphorylase
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a concentrated soloution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	MTAP antibody was purified by antigen-affinity chromatography
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	31 kDa
OMIM	112250
3D Structure	ModBase 3D Structure for Q13126
Cross-Reactivity	Human, Mouse
Product Categories/Family for anti-MTAP antibody	Proteases; Inhibitors; & Enzymes; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-MTAP antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-MTAP antibody	IHC-P: 1:100-1:500 WB: 1:500-1:3000
Related Product Information for anti-MTAP antibody	MBS837497 is an antibody targeting MTAP. Also known as MTAP antibody. Host: Rabbit. Affinity purified Rabbit polyclonal MTAP antibody
Other Notes	Small volumes of anti-MTAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-MTAP antibody
Western blot analysis of 50 ug of whole cell lysate (A: mouse liver) using a 12 % SDS PAGE gel and MTAP antibody at a dilution of 1:1000



Western Blot (WB) of anti-MTAP antibody
Western blot analysis of 30 ug of whole cell lysate (A: A431) using a 12 % SDS PAGE gel and MTAP antibody at a dilution of 1:1000



Immunohistochemistry (IHC) of anti-MTAP antibody
Immunohistochemical staining of paraffin-embedded SAS xenograft using MTAP antibody at a dilution of 1:500

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTAP. It may not necessarily be applicable to this product.

NCBI GI #	9082015
NCBI GeneID	4507
NCBI Accession #	AAF82688.1
UniProt Primary Accession #	Q13126
UniProt Secondary Accession #	Q5T3P3; Q9H010; I2G7M5; I2G7M6; I2G7M7; I2G7M8; I2G7M9; I2G7N0
UniProt Related Accession #	Q13126
NCBI Official Full Name	MTAP, partial
NCBI Official Synonym Full Names	methylthioadenosine phosphorylase
NCBI Official Symbol	MTAP
NCBI Official Synonym Symbols	BDMF; MSAP; DMSFH; LGMBF; DMSMFH; c86fus; HEL-249
UniProt Protein Name	S-methyl-5'-thioadenosine phosphorylase
UniProt Synonym Protein Names	5'-methylthioadenosine phosphorylase
Protein Family	S-methyl-5'-thioadenosine phosphorylase
UniProt Gene Name	MTAP
UniProt Synonym Gene Names	MTA phosphorylase; MTAP; MTAPase
UniProt Entry Name	MTAP_HUMAN
NCBI Protein Information	S-methyl-5'-thioadenosine phosphorylase

NCBI Summary for MTAP	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]
UniProt Comments for MTAP	MTAP: 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. Homotrimer. Ubiquitously expressed. Inhibited by 5'-methylthiotubercin and 5'- chloroformycin. Belongs to the PNP/MTAP phosphorylase family. MTAP subfamily. Protein type: EC 2.4.2.28; Amino Acid Metabolism - cysteine and methionine; Transferase; Phosphorylase Chromosomal Location of Human Ortholog: 9p21 Cellular Component: cytoplasm; cytosol; nucleus Molecular Function: phosphorylase activity; S-methyl-5-thioadenosine phosphorylase activity Biological Process: methylation; methionine salvage; sulfur amino acid metabolic process; nicotinamide riboside catabolic process; nucleobase, nucleoside, nucleotide and nucleic acid metabolic process; response to testosterone stimulus; purine ribonucleoside salvage; polyamine metabolic process
Research Articles on MTAP	**1.** MTAP expression is an independent prognostic factor and has greater prognostic significance than p16 expression in non-small cell lung cancer and concordant loss of MTAP and p16 expression indicates poor outcomes in lung cancer patients.
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