

KD-Validated Anti-Methylthioadenosine phosphorylase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1455

Product Information

Application	WB, FC, ICC
Primary Accession	Q13126
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4560
Calculated MW	31236
Gene Name	MTAP
Aliases	MTAP; Methylthioadenosine Phosphorylase; MSAP; S-Methyl-5'-Thioadenosine Phosphorylase; 5'-Methylthioadenosine Phosphorylase; MTA Phosphorylase; MTAPase; C86fus; Epididymis Secretory Sperm Binding Protein; Epididymis Luminal Protein 249; MeSAdo Phosphorylase; EC 2.4.2.28; HEL-249; DMSMFH; C86FUS; DMSFH; LGMBF; BDMF
Immunogen	A synthesized peptide derived from human MTAP

Additional Information

Gene ID	4507
Other Names	S-methyl-5'-thioadenosine phosphorylase {ECO:0000255 HAMAP-Rule:MF_03155}, 2.4.2.28 {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 {ECO:0000255 HAMAP-Rule:MF_03155}

Protein Information

Name	MTAP {ECO:0000255 HAMAP-Rule:MF_03155}
Synonyms	MSAP
Function	Catalyzes the phosphorolytic cleavage of S-methyl-5'- thioadenosine (MTA) to adenine and 5-methylthioribose1-phosphate (PubMed: 3091600 , PubMed: 8687427 , PubMed: 10404592). Involved in the breakdown of MTA, a major by-product of polyamine biosynthesis (PubMed: 3091600 , PubMed: 8687427 , PubMed: 10404592). Responsible for the first step in the methionine salvage pathway after MTA has been generated from

S-adenosylmethionine (PubMed:[3091600](#), PubMed:[8687427](#), PubMed:[10404592](#)). Has broad substrate specificity with 6-aminopurine nucleosides as preferred substrates (PubMed:[10404592](#)).

Cellular Location

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

Tissue Location

Ubiquitously expressed.

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