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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

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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