
Product Name: KD-Validated Methylthioadenosine Phosphorylase Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01215**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 31.2kDa

Antigen Information

Gene Name	MTAP
Alternative Names	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
Gene ID	4507.0
SwissProt ID	Q13126
Immunogen	A synthesized peptide derived from human MTAP

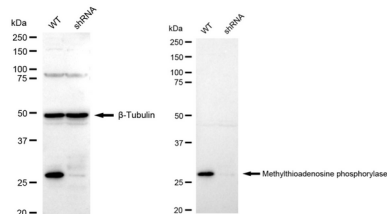
Background

This gene encodes an enzyme that plays a major role in polyamine metabolism and is important for the salvage pathway of both adenine and methionine. The encoded enzyme is deficient in many cancers. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Sep 2021]

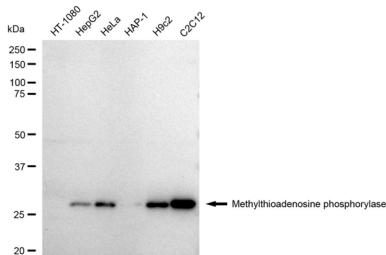
Research Area

Signal Transduction, Metabolism

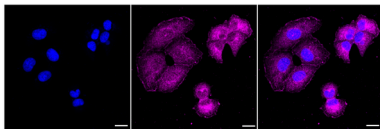
Image Data



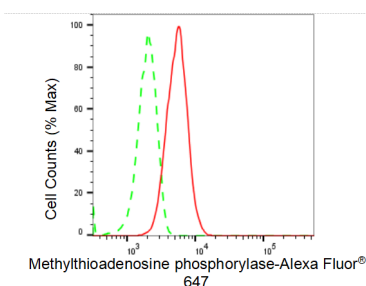
Western blotting analysis using Methylthioadenosine phosphorylase antibody (KVA01215). Methylthioadenosine phosphorylase expression in wild type (WT) and Methylthioadenosine phosphorylase shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Methylthioadenosine phosphorylase antibody (KVA01215, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Methylthioadenosine phosphorylase antibody (KVA01215). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Methylthioadenosine phosphorylase antibody (KVA01215, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Methylthioadenosine phosphorylase antibody (KVA01215, 1:1,000). Nuclei were stained blue with DAPI; Methylthioadenosine phosphorylase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 μ m.



Flow cytometric analysis of Methylthioadenosine phosphorylase expression in HT-1080 cells using Methylthioadenosine phosphorylase antibody (KVA01215, 1:2,000). Green, isotype control; red, Methylthioadenosine phosphorylase.