

Datasheet for ABIN6940087
anti-MTAP antibody (AA 97-196)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	MTAP
Binding Specificity:	AA 97-196
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MTAP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human MTAP protein fragment (aa97-196) (exact sequence is proprietary)
Clone:	MTAP-1813
Isotype:	IgG2b kappa
Specificity:	Recognizes a protein of 31 kDa, which is identified as MTAP (5'-deoxy-5'-methylthioadenosine phosphorylase). It catalyzes the reversible phosphorolysis of methylthioadenosine, which is important in polyamine metabolism and for the salvage of adenine and methionine. The gene encoding MTAP is linked to the tumor suppressor gene, p16INK4A. Deficient levels of MTAP can occur in cancers primarily through co-deletion of the MTAP gene and the p16INK4A gene. Cells expressing MTAP and possessing adenine salvage pathway activity may be less susceptible to malignancy due to growth-inhibitory actions of agents (e.g. antifolates), whose

Product Details

mechanism of action, in part, involves this de novo purine pathway.

Purification: Purified by Protein A/G

Target Details

Target: MTAP

Alternative Name: MTAP ([MTAP Products](#))

Molecular Weight: 31kDa

Gene ID: 4507

UniProt: [Q13126](#)

Pathways: [Ribonucleoside Biosynthetic Process](#), [Methionine Biosynthetic Process](#)

Application Details

Application Notes: Positive Control: HepG2, A431, HeLa, HAP1 or MCF-7 cells. Kidney.
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

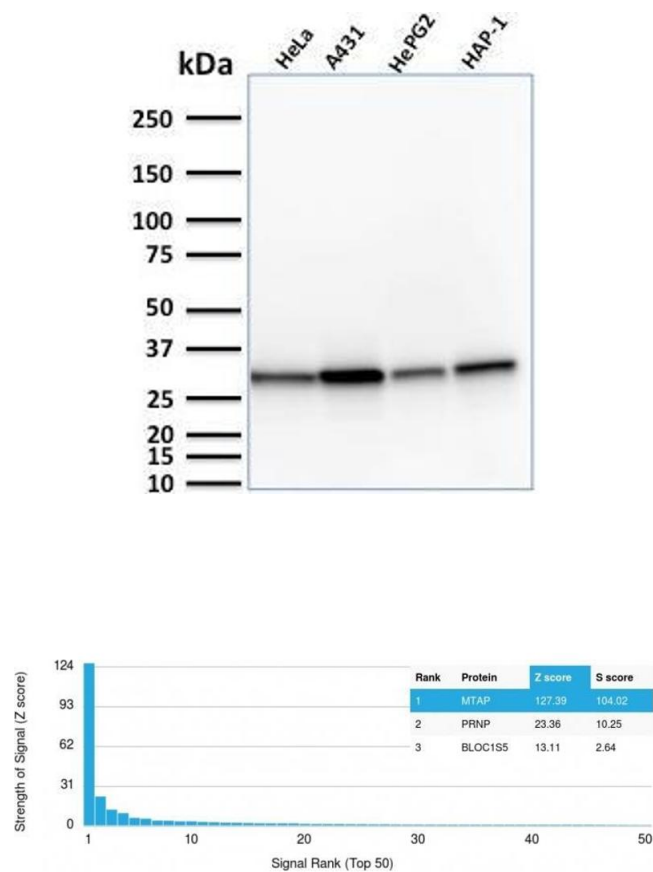
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

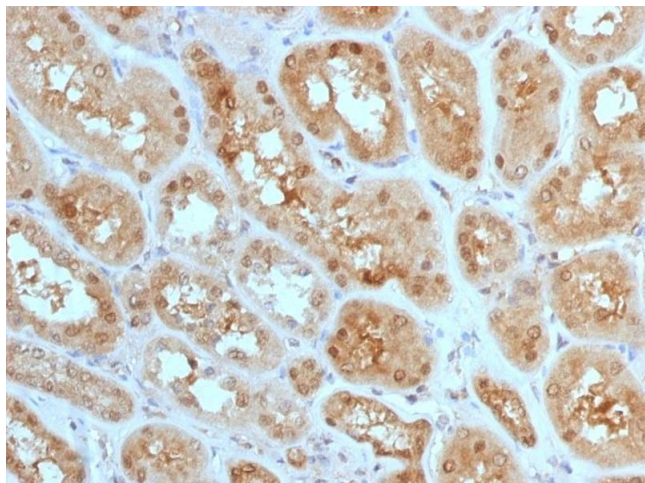


Western Blotting

Image 1. Western Blot Analysis of Human HeLa, A431, HePG2 and HAP1 cell lysate using MTAP Mouse Monoclonal Antibody (MTAP/1813).

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using MTAP Mouse Monoclonal Antibody (MTAP/1813). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Kidney stained with MTAP Mouse Monoclonal Antibody (MTAP/1813).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940087.