

Datasheet for ABIN6940088

Recombinant anti-MTAP antibody (AA 97-196)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MTAP
Binding Specificity:	AA 97-196
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This MTAP antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM), Immunostaining (ISt)

Product Details

Immunogen:	Recombinant human MTAP protein fragment (aa97-196) (exact sequence is proprietary)
Clone:	RMTAP-1813
Isotype:	IgG1 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 or MCF-7 cells. Human kidney tissues (IHC).
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 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.

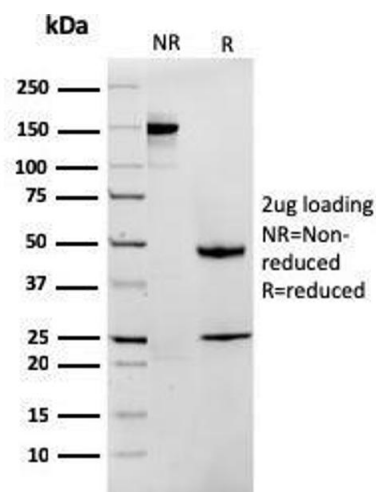
Preservative: Sodium azide

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

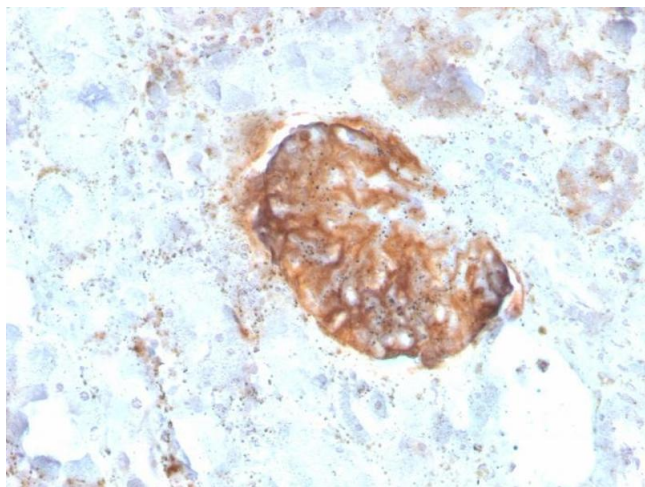
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



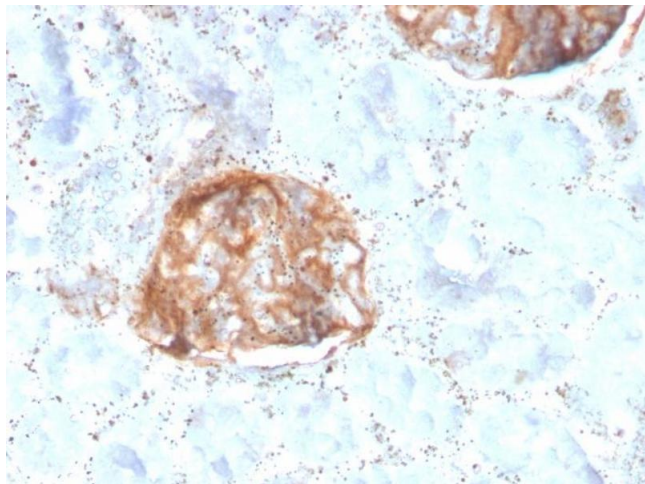
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Kidney stained with MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813).



Immunohistochemistry

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