Recombinant MTAP (Tumor Suppressor Marker) Antibody

Mouse Monoclonal Antibody [Clone rMTAP/1813]

Catalog No	Format	Size
4507-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4507-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4507-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

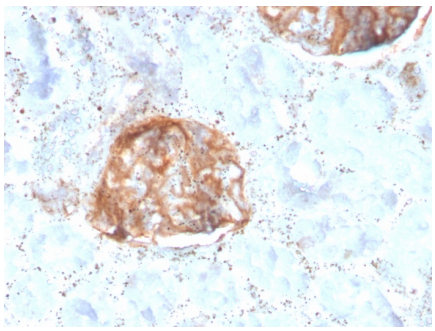
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

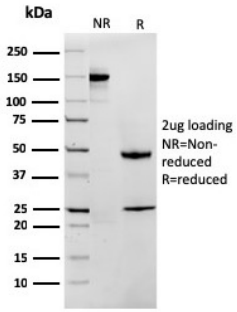
Clone	rMTAP/1813
Gene Name	MTAP
Immunogen	Recombinant human MTAP protein fragment (aa97-196) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	31kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	A431, HT-29, HEK-293, HeLa or MCF-7 cells. Human kidney tissues (IHC)., HePG2, Brain, Heart

**Optimal dilution for a specific application should be determined.*

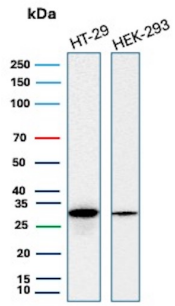
Product Images for Recombinant MTAP (Tumor Suppressor Marker) Antibody



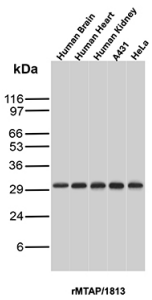
Formalin-fixed, paraffin-embedded human Kidney stained with MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813).



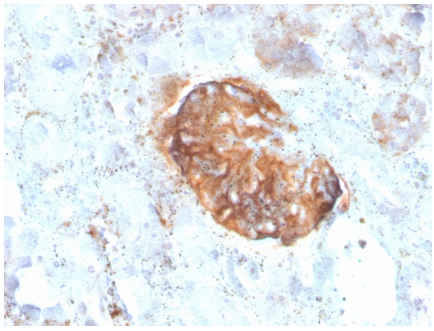
SDS-PAGE Analysis of Purified MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of HT-29 and HEK-293 cell lysates using MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813).



Western Blot Analysis of Human Brain, Human Heart, Human Kidney, A431and HeLa lysates using MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813).



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

Specificity & Comments

Recognizes a protein of 31kDa, 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 mechanism of action, in part, involves this de novo purine pathway.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Research Areas

Cardiovascular, Cytokine Signaling, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.