

## 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 |

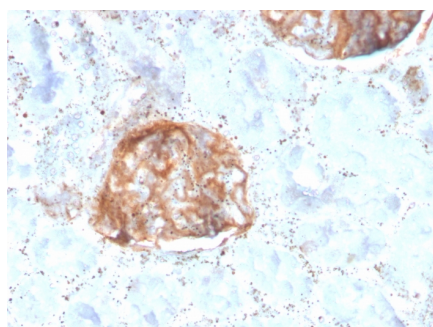
| Applications               | Tested Dillution | Note  |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed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

### Product Details

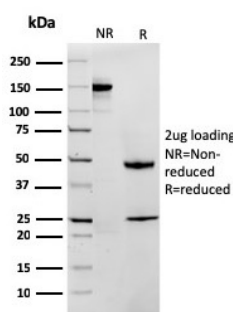
|                        |   |
|------------------------|---|
| Clone                  | rMTAP/1813  |
| Gene Name              | MTAP  |
| Immunogen              | Recombinant human MTAP protein fragment (aa97-196) (exact sequence is proprietary)          |
| Host                   | Mouse   |
| Clonality              | 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.*

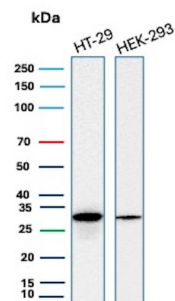
### Product Images for Recombinant MTAP (Tumor Suppressor Marker) Antibody



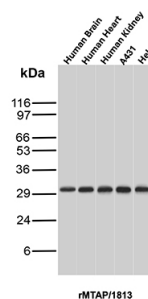
Formalin-fixed, paraffin-embedded human Kidney stained with MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813).



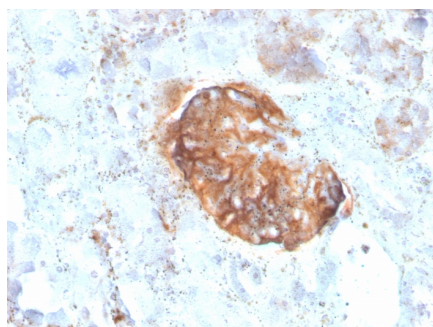
SDS-PAGE Analysis of Purified MTAP Recombinant Mouse Monoclonal Antibody (rMTAP/1813). Confirmation of Purity and Integrity of Antibody.



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, A431 and 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.

### 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.

### 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, Immunology, Cytokine Signaling