

Product Datasheet

MTAP Antibody (MTAP/1813)

NBP2-75730-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-75730-100ug

MTAP Antibody (MTAP/1813)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MTAP/1813
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	31 kDa

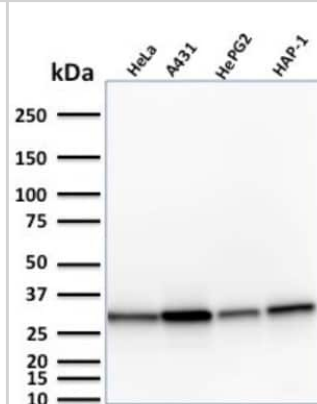
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-75731) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	4507
Gene Symbol	MTAP
Species	Human
Marker	Tumor Suppressor Marker
Specificity/Sensitivity	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.
Immunogen	Recombinant human MTAP protein fragment (aa97-196) (exact sequence is proprietary) (Uniprot: Q13126)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 2-4 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	ELISA: Use Ab at 2-4ug/ml for coating. Order Ab without BSA. Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

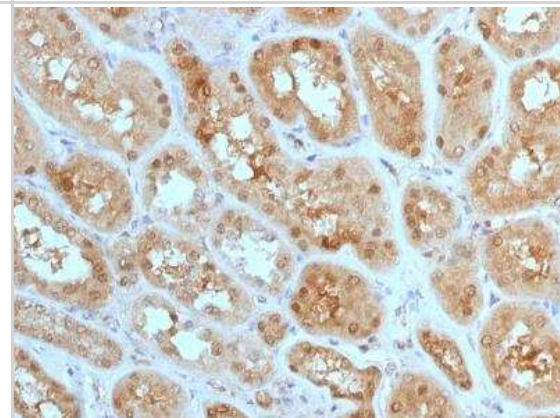


Images

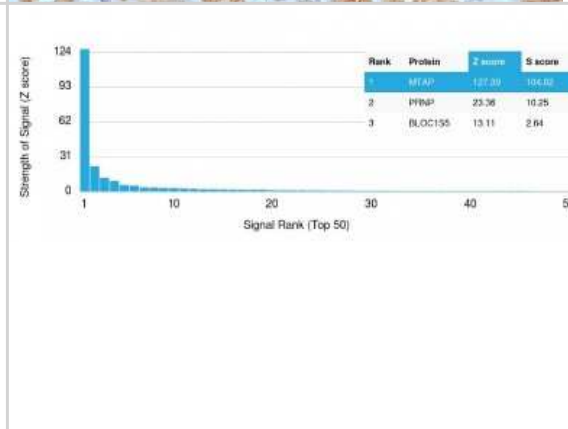
Western Blot: MTAP Antibody (MTAP/1813) [NBP2-75730] - Western Blot Analysis of Human HeLa, A431, HePG2 and HAP1 cell lysate using MTAP Antibody (MTAP/1813).



Immunohistochemistry-Paraffin: MTAP Antibody (MTAP/1813) [NBP2-75730] - Formalin-fixed, paraffin-embedded Human Kidney stained with MTAP Mouse Monoclonal Antibody (MTAP/1813).



Protein Array: MTAP Antibody (MTAP/1813) [NBP2-75730] - Analysis of Protein Array containing more than 19,000 full-length human proteins using MTAP 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 HuProt(TM) array. Z-scores are described in units of standard deviations (SD?s) above the mean value of all signals generated on that array. If targets on HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD?s) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5.



Publications

Christopher A Febres-Aldana, Jason C Chang, Achim A Jungbluth, Prasad S Adusumilli, Francis M Bodd, Denise Frosina, Jerica A Geronimo, Enmily Hernandez, Helen Irawan, Michael D Offin, Natasha Rekhman, William D Travis, Chad Vanderbilt, Marjorie G Zauderer, Yanming Zhang, Marc Ladanyi, Soo-Ryum Yang, Jennifer L Sauter
 Comparison of immunohistochemistry, next generation sequencing and fluorescence in situ hybridization for detection of MTAP loss in pleural mesothelioma. *Modern pathology* : an official journal of the United States and Canadian Academy of Pathology, Inc 2024-01-05 [PMID: 38185249]



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Products Related to NBP2-75730-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NBP2-56796PEP	MTAP Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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