

# Product Datasheet

## MTAP Antibody (2G4) - Azide and BSA Free H00004507-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Publications: 26**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00004507-M01](http://www.novusbio.com/H00004507-M01)

Updated 2/21/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00004507-M01](http://www.novusbio.com/reviews/destination/H00004507-M01)



**H00004507-M01**

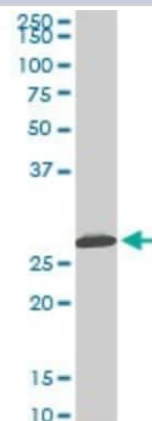
MTAP Antibody (2G4) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2G4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4507
Gene Symbol	MTAP
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	MTAP - methylthioadenosine phosphorylase
Immunogen	MTAP (AAH18625, 1 a.a. ~ 154 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MASGTTTTAVKIGIIGGTGLDDPEILEGRTEKYVDTPFGKPSDALILGKIKNVDCIL LARHGRQHTIMP SKVNYQANIWALKEEGCTHVIVTTACGSLREEIQPGDIVIIDQ FIDSHVRRACFPFTFHHDCFQRPPQKPSRSHCVSCATCRTMS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA. Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID:32284171).

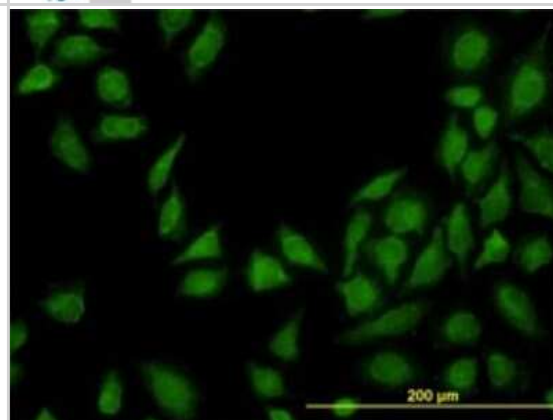


**Images**

Western Blot: MTAP Antibody (2G4) [H00004507-M01] - MTAP monoclonal antibody (M01), clone 2G4. Analysis of MTAP expression in NIH/3T3.



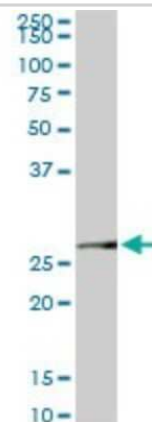
Immunocytochemistry/Immunofluorescence: MTAP Antibody (2G4) [H00004507-M01] - Analysis of monoclonal antibody to MTAP on HeLa cell. Antibody concentration 10 ug/ml.



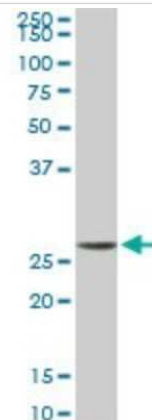
Western Blot: MTAP Antibody (2G4) [H00004507-M01] - MTAP monoclonal antibody (M01), clone 2G4 Analysis of MTAP expression in HeLa.



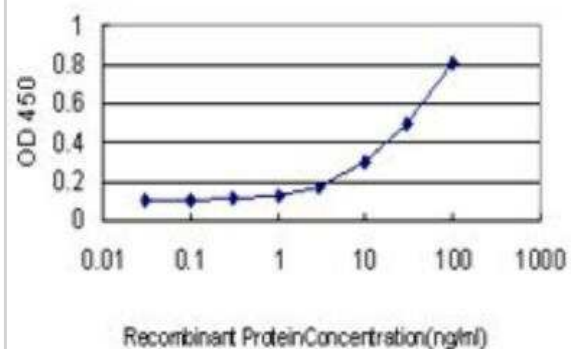
Western Blot: MTAP Antibody (2G4) [H00004507-M01] - MTAP monoclonal antibody (M01), clone 2G4. Analysis of MTAP expression in PC-12.



Western Blot: MTAP Antibody (2G4) [H00004507-M01] - MTAP monoclonal antibody (M01), clone 2G4. Analysis of MTAP expression in Raw 264.7.



ELISA: MTAP Antibody (2G4) [H00004507-M01] - Detection limit for recombinant GST tagged MTAP is approximately 0.3ng/ml as a capture antibody.



## Publications

O, , et Al. Correction to: Abstracts : 32(nd) Congress of the ESP and XXXIII International Congress of the IAP  
Virchows Arch 2021-04-01 [PMID: 33452909]

Dean F, Amy K, Seid M et al. Abemaciclib in patients with p16ink4A-deficient mesothelioma (MiST2): a single-arm, open-label, phase 2 trial. *Lancet Oncol.* 2022-02-11 [PMID: 35157829]

Megumi N, Naoe J, Yugo T et al. Sarcomatoid mesothelioma originating from mesothelioma in situ: are methylthioadenosine phosphorylase loss and CDKN2A homozygous deletion poor prognostic factors for preinvasive mesothelioma? *Virchows Arch.* 2022-01-19 [PMID: 35043235]

Kaishi S, Makoto O, Yuko M et al. Utility of methylthioadenosine phosphorylase immunohistochemical deficiency as a surrogate for CDKN2A homozygous deletion in the assessment of adult-type infiltrating astrocytoma. *Mod Pathol.* 2020-10-19 [PMID: 33077924]

He R, Simon C, Andrew C et al. c-MET immunohistochemistry for differentiating malignant mesothelioma from benign mesothelial proliferations. *Hum Pathol.* 2020-09-08 [PMID: 32916162]

Brich S, Bozzi F, Perrone F et al. Fluorescence in situ hybridization (FISH) provides estimates of minute and interstitial BAP1, CDKN2A, and NF2 gene deletions in peritoneal mesothelioma. *Mod Pathol.* 2019-09-30 [PMID: 31570769]

Yoshiaki K, Makoto H, Shinji M et al. Genomic-based Ancillary Assays Offer Improved Diagnostic Yield of Effusion Cytology With Potential Challenges in Malignant Pleural Mesothelioma. *Pathol Int.* 2020-06-15 [PMID: 32542810]

Churg A, Galateau-Salle F, Roden A et al. Malignant mesothelioma in situ: morphologic features and clinical outcome. *Mod Pathol.* 2019-08-02 [PMID: 31375770]

Kinoshita Y, Hamasaki M, Yoshimura M et al. Hemizygous loss of NF2 detected by fluorescence in situ hybridization is useful for the diagnosis of malignant pleural mesothelioma. *Mod Pathol.* 2019-06-23 [PMID: 31231129]

Chapel D, Schulte J, Berg K et al. MTAP immunohistochemistry is an accurate and reproducible surrogate for CDKN2A fluorescence in situ hybridization in diagnosis of malignant pleural mesothelioma. *Mod Pathol.* 2019-06-23 [PMID: 31231127]

Shoh S, Maiko T, Takanori H et al. Correlation of MTAP Immunohistochemistry With CDKN2A Status Assessed by Fluorescence In Situ Hybridization and Clinicopathological Features in CNS WHO Grade 2 and 3 Meningiomas: A Single Center Cohort Study. *J Neuropathol Exp Neurol.* 2021-12-13 [PMID: 34897475]

Simone T, Anja R, Eunhee Y et al. Loss of Methylthioadenosine Phosphorylase by Immunohistochemistry Is Common in Pulmonary Sarcomatoid Carcinoma and Sarcomatoid Mesothelioma. *Am J Clin Pathol.* 2021-08-31 [PMID: 34463336]

More publications at <http://www.novusbio.com/H00004507-M01>



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00004507-M01**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00004507-M01](http://www.novusbio.com/reviews/submit/H00004507-M01)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

