

Product Datasheet

Nicotinamide N-Methyltransferase/NNMT Antibody (OTI3D8) NBP2-00537

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-00537

Nicotinamide N-Methyltransferase/NNMT Antibody (OTI3D8)

Product Information

Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI3D8
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	29.4 kDa

Product Description

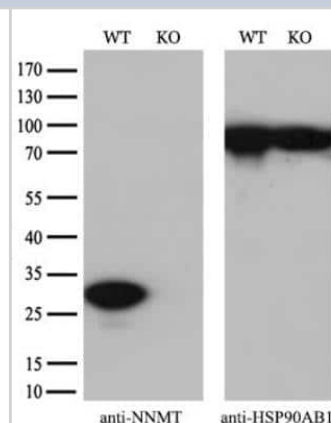
Host	Mouse
Gene ID	4837
Gene Symbol	NNMT
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human NNMT(NP_006160) produced in HEK293T cell.

Product Application Details

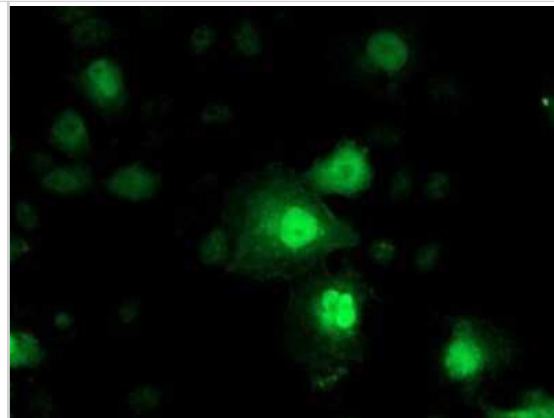
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150, Knockout Validated

Images

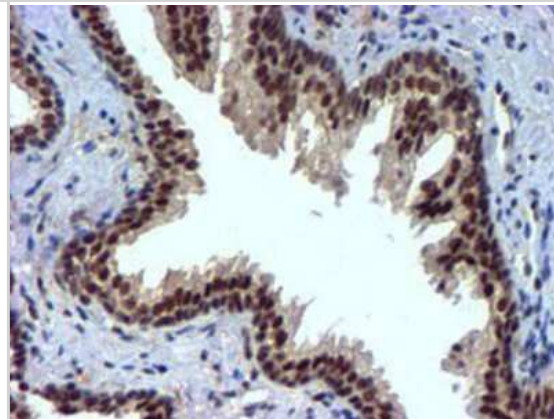
Western Blot: Nicotinamide N-Methyltransferase/NNMT Antibody (OTI3D8) [NBP2-00537] - Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells and NNMT-Knockout HeLa cells were separated by SDS-PAGE and immunoblotted with anti-NNMT monoclonal antibody (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



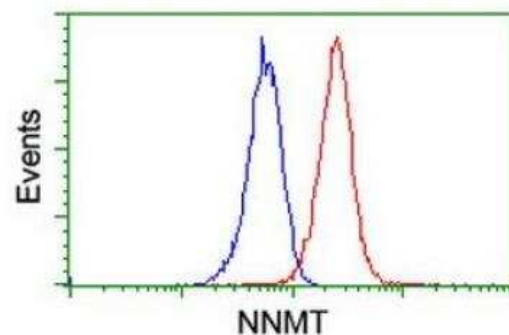
Immunocytochemistry/Immunofluorescence: NNMT Antibody (3D8) [NBP2-00537] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY NNMT.



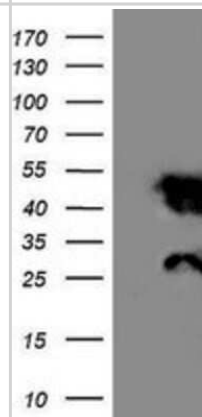
Immunohistochemistry-Paraffin: NNMT Antibody (3D8) [NBP2-00537] - Staining of paraffin-embedded Human prostate tissue using anti-NNMT mouse monoclonal antibody.



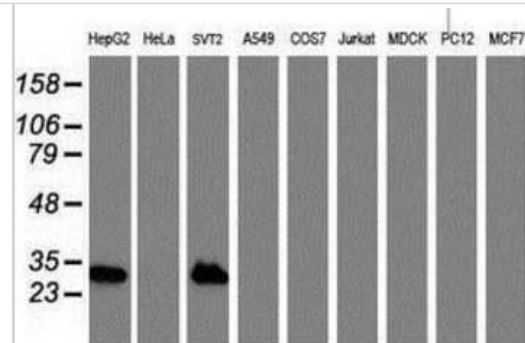
Flow Cytometry: Nicotinamide N-Methyltransferase/NNMT Antibody (OTI3D8) [NBP2-00537] - Analysis of Jurkat cells, using anti-NNMT antibody (Red), compared to a nonspecific negative control antibody (Blue).



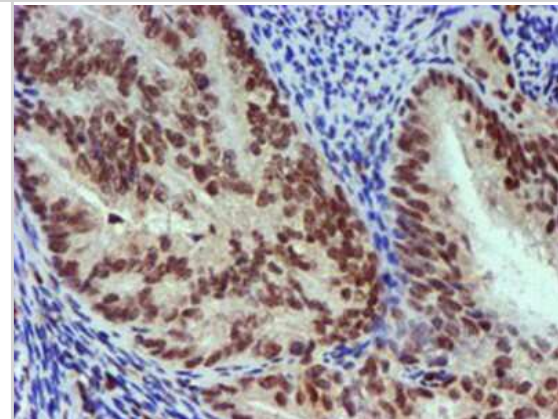
Western Blot: NNMT Antibody (3D8) [NBP2-00537] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NNMT (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NNMT.



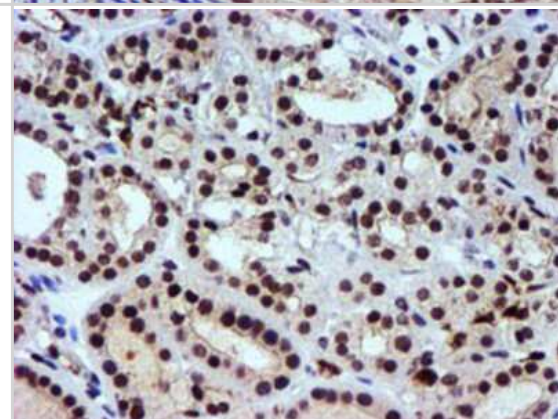
Western Blot: NNMT Antibody (3D8) [NBP2-00537] Analysis of extracts (35ug) from 9 different cell lines by using anti-NNMT monoclonal antibody.



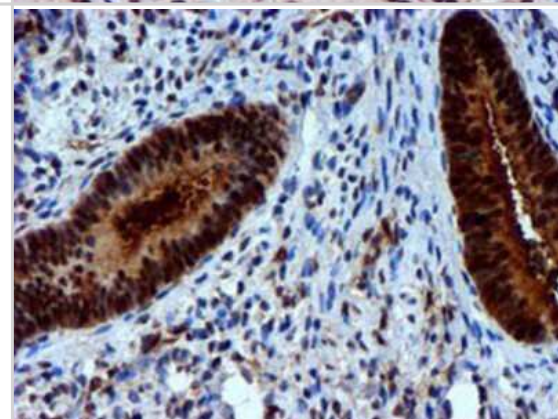
Immunohistochemistry-Paraffin: NNMT Antibody (3D8) [NBP2-00537] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-NNMT mouse monoclonal antibody.



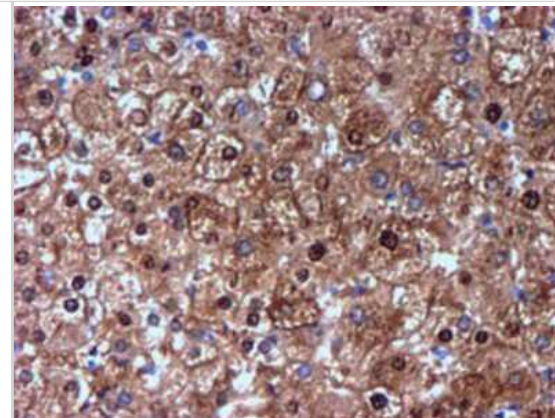
Immunohistochemistry-Paraffin: NNMT Antibody (3D8) [NBP2-00537] - Staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NNMT mouse monoclonal antibody.



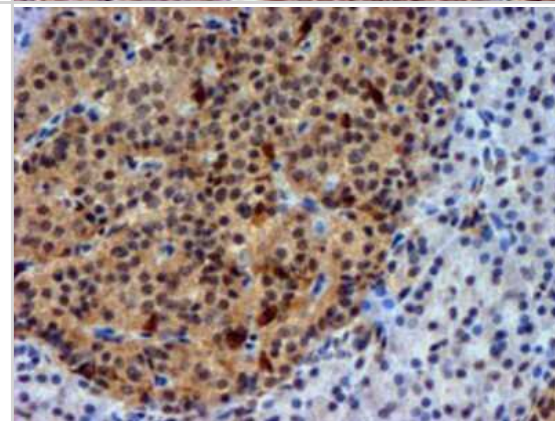
Immunohistochemistry-Paraffin: NNMT Antibody (3D8) [NBP2-00537] - Staining of paraffin-embedded Human endometrium tissue using anti-NNMT mouse monoclonal antibody.



Immunohistochemistry-Paraffin: NNMT Antibody (3D8) [NBP2-00537] - Staining of paraffin-embedded Human liver tissue using anti-NNMT mouse monoclonal antibody.



Immunohistochemistry-Paraffin: NNMT Antibody (3D8) [NBP2-00537] - Staining of paraffin-embedded Human pancreas tissue using anti-NNMT mouse monoclonal antibody.



Publications

Dolcen DN The Role of Nicotinamide N-Methyltransferase in Triple-Negative Breast Cancer Gene Expression and in vivo Metastatic Potential Thesis 2022-01-01 (WB, Human)

Akar S, Harmankaya I et al. Nicotinamide N-methyltransferase expression and its association with phospho-Akt, p53 expression, and survival in high-grade endometrial cancer Turk J Med Sci 2019-10-24 [PMID: 31652035] (IF/IHC, Human)

Harmankaya İ, Akar S, Ugras S et al. Nicotinamide N-methyltransferase overexpression may be associated with poor prognosis in ovarian cancer J Obstet Gynaecol 2020-04-14 [PMID: 32285726] (IF/IHC, Human)

AKAR S, HARMANKAYA I Nicotinamide N-methyltransferase Expression and its Association with Phospho-Akt, p53 Expression and Survival in High Grade Endometrial Cancer Turk J Med Sci Sep 22 2019 12:00AM

Chen C, Wang X, Huang X et al. Nicotinamide N-methyltransferase: a potential biomarker for worse prognosis in gastric carcinoma. Am J Cancer Res 2016-02-15 [PMID: 27152242] (WB)

Xu Y, Liu P, Zheng DH et al. Expression profile and prognostic value of NNMT in patients with pancreatic cancer. Oncotarget 2016-04-12 [PMID: 26942567]



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 NBP2-00537

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-59656-20ug	Recombinant Mouse Nicotinamide N-Methyltransferase/NNMT His Protein

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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