Product Datasheet

DNMT3B Antibody (52A1018)
NB100-56514

Unit Size: 0.1 mg

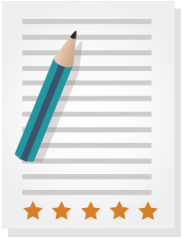
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Reviews: 2 Publications: 116

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56514

Updated 12/20/2023 v.20.1



NB100-56514

DNMT3B Antibody (52A1018)

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	52A1018
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.4)

Product Description	
Host	Mouse
Gene ID	1789
Gene Symbol	DNMT3B
Species	Human, Mouse, Sheep
Reactivity Notes	Sheep reactivity reported in scientific literature (PMID: 28203702).
Specificity/Sensitivity	This does not react with Dnmt3a.
Immunogen	This antibody was raised against bacteria expressed HIS-tag recombinant full length mouse Dnmt3b. The antibody will also recognize human Dnmt3b.

Product Application Details	
Applications	Western Blot, Simple Western, Chromatin Immunoprecipitation, Dot Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready, Immunohistochemistry Whole-Mount
Recommended Dilutions	Western Blot 2-4 ug/ml, Simple Western 1:10, Chromatin Immunoprecipitation 1:20-1:1000, Flow Cytometry 1 ug per million cells, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1-5 ug/ml, Immunoprecipitation 1-2 ug/ml, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen, Dot Blot, Immunohistochemistry Whole-Mount, CyTOF-ready
Application Notes	Use in Immunohistochemistry-Frozen reported in scientific literature (PMID 24851905). Use in Immunohistochemistry-Whole mount reported in scientific literature (PMID 26660107). Use in Dot Blot reported in scientific literature (PMID: 28570543). In Simple Western only 10 - 15 ul of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. This antibody is CyTOF ready.

Publications

Yakhou L, Azogui A, Gupta N et al. A genetic screen identifies BEND3 as a regulator of bivalent gene expression and global DNA methylation Nucleic acids research 2023-08-31 [PMID: 37650637] (WB, Mouse)

Lobo J, Guimaraes R, Miranda-Goncalves V et al. Differential expression of DNA methyltransferases and demethylases among the various testicular germ cell tumor subtypes Epigenomics 2020-09-01 [PMID: 32957806]

Kim KP, Choi J, Yoon J et al. Permissive epigenomes endow reprogramming competence to transcriptional regulators Nat. Chem. Biol. 2020-08-17 [PMID: 32807969]

Zhu A, Hopkins KM, Friedman RA et al. DNMT1 and DNMT3B regulate tumorigenicity of human prostate cancer cells by controlling RAD9 expression through targeted methylation Carcinogenesis 2020-08-11 [PMID: 32780107]

Magno Guimaraes D, deLucas da Silva Almeida F, Moraes Castilho R DNA methyltransferase expression is associated with cell proliferation in salivary mucoepidermoid carcinoma J. Oral Pathol. Med. 2020-08-02 [PMID: 32740989]

Deng Y, Chen D, Gao F et al. Silencing of Long Non-coding RNA GAS5 Suppresses Neuron Cell Apoptosis and Nerve Injury in Ischemic Stroke Through Inhibiting DNMT3B-Dependent MAP4K4 Methylation Transl Stroke Res 2020-01-29 [PMID: 31997156] (Chemotaxis, Human)

Coyle CS, Caso F, Tolla E et al. Ovarian hormones induce de novo DNA methyltransferase expression in the Siberian hamster suprachiasmatic nucleus J. Neuroendocrinol. 2019-12-04 [PMID: 31800973] (IHC-Fr, Hamster)

Yen HY, Tsao CW, Lin YW, et al. Regulation of carcinogenesis and modulation through Wnt/beta-catenin signaling by curcumin in an ovarian cancer cell line Sci Rep 2019-11-21 [PMID: 31754130]

Mazzoccoli L, Robaina MC, Bacchi CE et al. miR 29 promoter and enhancer methylation identified by pyrosequencing in Burkitt lymhoma cells: Interplay between MYC and miR 29 regulation Oncol. Rep. 2019-06-03 [PMID: 31173259] (WB, Human)

Liu T, Liu J, Lin Y et al. Downregulated long noncoding RNA LINC00313 inhibits the epithelial-mesenchymal transition, invasion, and migration of thyroid cancer cells through inhibiting the methylation of ALX4 J. Cell. Physiol. 2019-05-15 [PMID: 31093972] (Chemotaxis)

Ke J, Dong N, Wang L et al. Role of DNA methylation in perinatal nicotine-induced development of heart ischemia-sensitive phenotype in rat offspring Oncotarget 2017-09-29 [PMID: 29100355] (WB, Rat)

Mazzoccoli L, Robaina MC, Apa AG et al. MiR-29 silencing modulates the expression of target genes related to proliferation, apoptosis and methylation in Burkitt lymphoma cells J. Cancer Res. Clin. Oncol. 2018-01-09 [PMID: 29318382] (WB)

More publications at http://www.novusbio.com/NB100-56514

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

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56514

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications