Product Datasheet

Dnmt1 Antibody
NB100-56519SS

Unit Size: 0.025 mg

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

Publications: 55

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NB100-56519SS

Dnmt1 Antibody (60B1220.1)

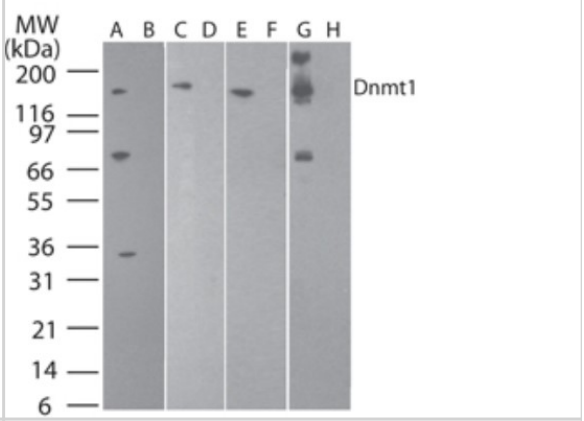
Product Information	
Unit Size	0.025 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	60B1220.1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA

Product Description	
Host	Mouse
Gene ID	1786
Gene Symbol	DNMT1
Species	Human, Mouse, Zebrafish
Species Reactivity	Cross reacts with Human, Mouse and Zebrafish.
Specificity/Sensitivity	This can be used in immunohistochemistry at 1-2 ug/ml in human kidney cells.
Immunogen	This antibody was raised against a synthetic peptide corresponding to amino acids 637-650 (EKDDREDKENAFKR) of human Dnmt1 (Genbank Accession No. NP_001370).

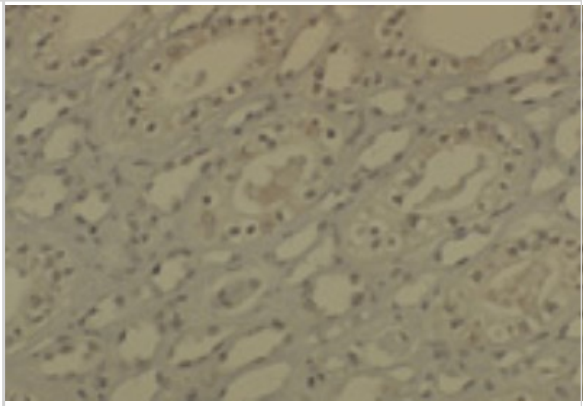
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Chromatin Immunoprecipitation 1:10-1:500, Immunocytochemistry/Immunofluorescence, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunoprecipitation 1:10-1:500, Western Blot 0.1-0.5 ug/ml
Application Notes	Chromatin Immunoprecipitation, Immunoprecipitation, Western Blot and Immunohistochemistry-Paraffin. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 24386225)

Images

Western Blot: Dnmt1 Antibody (60B1220.1) [NB100-56519] - analysis of Dnmt1 in 2102EP (human embryonic carcinoma) in the A) absence and B) presence of immunizing peptide, recombinant human Dnmt1 protein in the C) absence and D) presence of immunizing peptide, NIH 3T3 (mouse embryonic fribroblast) in the E) absence and F) presence of immunizing peptide, and D3 (mouse embryonic stem cell) in the G) absence and H) presence of immunizing peptide using Dnmt1 antibody. this antibody. 5 ug/ml for testing the human cell line and 0.1 ug/ml was used for testing the recombinant protein and the mouse cell lines. ’s goat anti-mouse Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Immunohistochemistry-Paraffin: Dnmt1 Antibody (60B1220.1) [NB100-56519] - analysis of Dnmt1 using antibody at 2 ug/ml on formalin-fixed, paraffin-embedded medullar kidney tissue sections



Publications

Paredes-Gonzalez X, Fuentes F, Su ZY, Kong AN. Apigenin Reactivates Nrf2 Anti-oxidative Stress Signaling in Mouse Skin Epidermal JB6 P + Cells Through Epigenetics Modifications. AAPS J. 2014 May 16 [PMID: 24830944] (WB, Mouse)

Anwar SL, Krech T, Hasemeier B et al. Deregulation of RB1 expression by loss of imprinting in human hepatocellular carcinoma. J. Pathol. 2014 May 16 [PMID: 24838394] (WB, Human)

Serra FW, Fang M, Park SM et al. A KRAS-directed transcriptional silencing pathway that mediates the CpG island methylator phenotype. Elife 2014 Mar 13 [PMID: 24623306] (ChIP, Human)

Calabrese R, Valentini E, Ciccarone F et al. TET2 gene expression and 5-hydroxymethylcytosine level in multiple sclerosis peripheral blood cells. Biochim. Biophys. Acta 2014 Apr 13 [PMID: 24735979] (WB, Human)

Neidhart M, Karouzakis E, Jungel A et al. Inhibition of spermidine/spermine N1-acetyltransferase (SSAT1) activity - a new therapeutical concept in rheumatoid arthritis. Arthritis & rheumatology. 2014 Feb 27 [PMID: 24578214] (Flow-IC, Human)

Teneng I, Tellez CS, Picchi MA et al. Global identification of genes targeted by DNMT3b for epigenetic silencing in lung cancer. Oncogene. 2014 Jan 27 [PMID: 24469050] (ChIP, Human)

Su ZY, Zhang C, Lee JH et al. Requirement and Epigenetics Reprogramming of Nrf2 in Suppression of Tumor Promoter TPA-Induced Mouse Skin Cell Transformation by Sulforaphane. Cancer Prev Res (Phila). 2014 Mar 1 [PMID: 24441674] (WB, Mouse)

Otani J, Kimura H, Sharif J et al. Cell Cycle-Dependent Turnover of 5-Hydroxymethyl Cytosine in Mouse Embryonic Stem Cells. PLoS One 2013 Dec 10 [PMID: 24340069] (ChIP, Mouse)

Watson CJ, Collier P, Tea I et al. Hypoxia-induced epigenetic modifications are associated with cardiac tissue fibrosis and the development of a myofibroblast-like phenotype. Hum Mol Genet 2013 Dec 16 [PMID: 24301681] (WB, Human)

Hara ES1, Ono M1, Eguchi T2 et al. miRNA-720 Controls Stem Cell Phenotype, Proliferation and Differentiation of Human Dental Pulp Cells. PLoS One 2013 Dec 30 [PMID: 24386225] (ICC/IF, Human)

Kimura F, Seifert HH, Florl AR et al. Decrease of DNA methyltransferase 1 expression relative to cell proliferation in transitional cell carcinoma. Int J Cancer. 2003 May 1 [PMID: 12594811]

Lin HJ, Zuo T, Lin CH et al. Breast cancer-associated fibroblasts confer AKT1-mediated epigenetic silencing of Cystatin M in epithelial cells. Cancer Res. 2008 Dec 15 [PMID: 19074894]

More publications at http://www.novusbio.com/NB100-56519

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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 guarantee, please visit www.novusbio.com/guarantee.