

Product Datasheet

DNMT1 Antibody (60B1220.1) - Azide and BSA Free NBP2-80697

Unit Size: 0.1 mg

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

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NBP2-80697

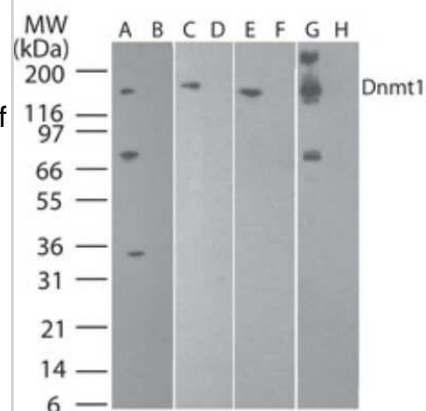
DNMT1 Antibody (60B1220.1) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 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	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	1786
Gene Symbol	DNMT1
Species	Human, Mouse, Rat, Porcine, Bovine, Sheep
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 19924110). Porcine reactivity reported in scientific literature (PMID: 23808878). Sheep reactivity reported in scientific literature (PMID: 20413592). Bovine reactivity reported in scientific literature (PMID:27384909).
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, Simple Western, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), CyTOF-ready, Immunohistochemistry Free-Floating, Knockdown Validated
Recommended Dilutions	Western Blot 0.1 - 0.5 ug/ml, Simple Western 1:100, Flow Cytometry 1 - 5 ug/ml, Immunohistochemistry 1:50 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10. Use reported in scientific literature (PMID 24386225), Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:50 - 1:500, Immunohistochemistry-Frozen 1:500, Flow (Intracellular) reported in scientific literature (PMID 24578214), Immunohistochemistry Free-Floating 1:500, Chromatin Immunoprecipitation (ChIP) 1:20-1:1000, CyTOF-ready, Knockdown Validated
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.

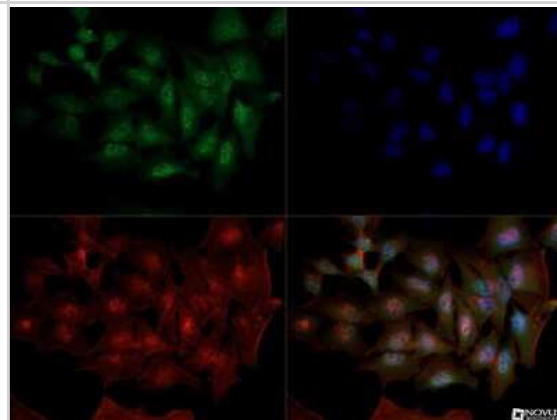


Images

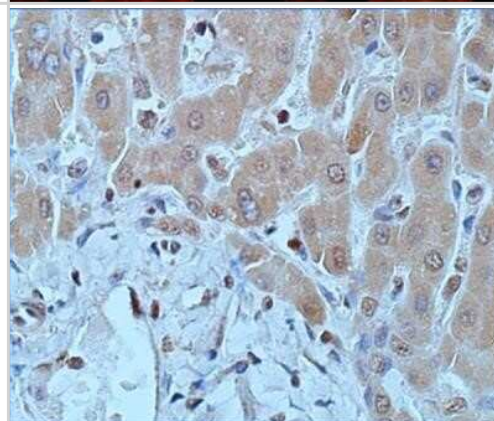
Western Blot: DNMT1 Antibody (60B1220.1) - Azide and BSA Free [NBP2-80697] - Analysis of Dnmt1 in 2102EP (human embryonic carcinoma) in the A) absence and B) presence of immunizing peptide, recombinant human Dnmt1 protein in the C) absence and D) presence of immunizing peptide, NIH 3T3 (mouse embryonic fibroblast) 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. Image from the standard format of this antibody.



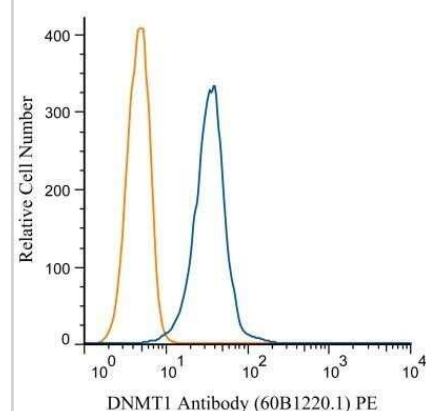
Immunocytochemistry/Immunofluorescence: DNMT1 Antibody (60B1220.1) - Azide and BSA Free [NBP2-80697] - Dnmt1 antibody was tested in HeLa cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red). Antibody dilution of 1:10 was used. Image objective 40x. Image from the standard format of this antibody.



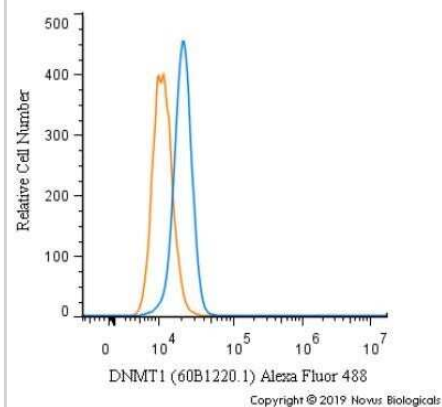
Immunohistochemistry: DNMT1 Antibody (60B1220.1) - Azide and BSA Free [NBP2-80697] - Tissue section of human hepatocellular carcinoma at 1:50 dilution. Image from the standard format of this antibody.



Flow Cytometry: DNMT1 Antibody (60B1220.1) - Azide and BSA Free [NBP2-80697] - Analysis of PE conjugate of NB100-56519. An intracellular stain was performed on HeLa cells with DNMT1 antibody (60B1220.1) NB100-56519PE (blue) and a matched isotype control NBP2-27287PE (orange). Cells were fixed with 4% PFA and then permeabilized.



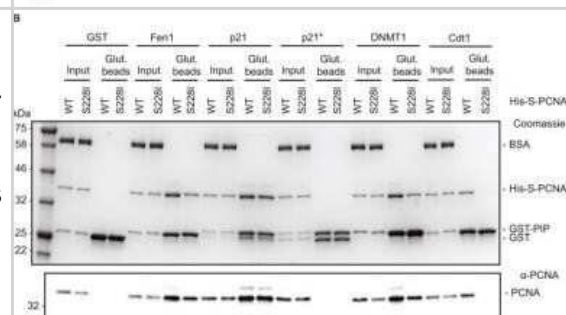
Flow Cytometry: DNMT1 Antibody (60B1220.1) - Azide and BSA Free [NBP2-80697] - An intracellular stain was performed on HeLa cells with DNMT1 [60B1220.1] Antibody NB100-56519AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 488.



Simple Western: DNMT1 Antibody (60B1220.1) - Azide and BSA Free [NBP2-80697] - Simple Western lane view shows a specific band for Dnmt1 in 0.5 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.



Immunoprecipitation: DNMT1 Antibody (60B1220.1) - Azide and BSA Free [NBP2-80697] - The PCNAS228I mutation differentially affects PCNA binding to PIP box-containing proteins. GST-PIP pull down of His-S-PCNA^{WT} or PCNAS228I. Figure shows Coomassie stained gel of representative pull down (top) and anti-PCNA western blot of the same samples diluted 1:20 (bottom). Amount of 'input' loaded for Coomassie is equivalent to 1%, 'Glut. beads' (Glutathione sepharose 4B beads) is equivalent to 25%. Molecular weight markers are indicated. Image collected and cropped by CiteAb from the following publication (<https://linkinghub.elsevier.com/retrieve/pii/S1568786416304013>), licensed under a CC-BY license. Image from the standard format of this antibody.





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