

# Product Datasheet

## DNMT1 Antibody (A3A8-R)

### NBP3-32274

Unit Size: 100 ul

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

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**NBP3-32274****DNMT1 Antibody (A3A8-R)**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	A3A8-R
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	183 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse DNMT1 Antibody (A3A8-R) (NBP3-32274) is a recombinant monoclonal antibody validated for use in WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	1786
<b>Gene Symbol</b>	DNMT1
<b>Species</b>	Human
<b>Immunogen</b>	Synthetic peptide within Human Dnmt1 aa 500-600 / 1616. (Uniprot: P26358)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:100

## Images

Western Blot: DNMT1 Antibody (A3A8-R) [NBP3-32274] - Western blot analysis of DNMT1 on different lysates with Mouse anti-DNMT1 antibody (NBP3-32274) at 1/1,000 dilution.

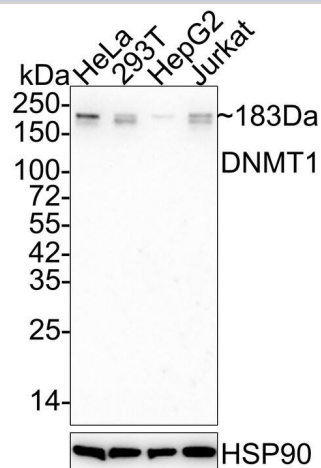
Lane 1: HeLa cell lysate, 20 ug/Lane  
Lane 2: 293T cell lysate, 20 ug/Lane  
Lane 3: HepG2 cell lysate, 20 ug/Lane  
Lane 4: Jurkat cell lysate, 20 ug/Lane

Predicted band size: 183 kDa  
Observed band size: 183 kDa

Exposure time: 3 minutes;

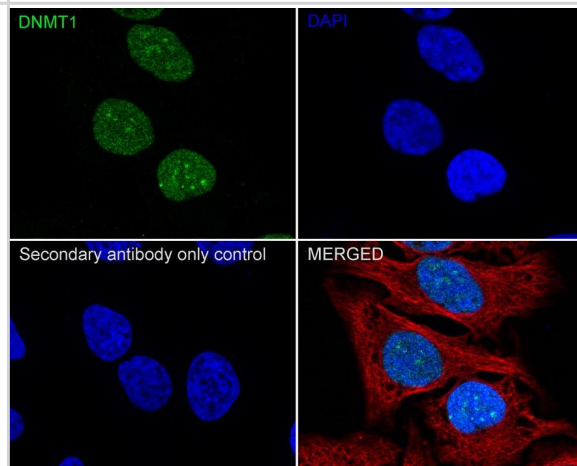
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32274) at 1/1,000 dilution was used in 5% NFDm/TBST at 4C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



Immunocytochemistry/ Immunofluorescence: DNMT1 Antibody (A3A8-R) [NBP3-32274] - Immunocytochemistry analysis of HeLa cells labeling DNMT1 with Mouse anti-DNMT1 antibody (NBP3-32274) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-DNMT1 antibody (NBP3-32274) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.



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### **Products Related to NBP3-32274**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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.

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