

# Product Datasheet

## DNMT3A Antibody (64B814.1) - BSA Free NB100-56521

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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**NB100-56521**

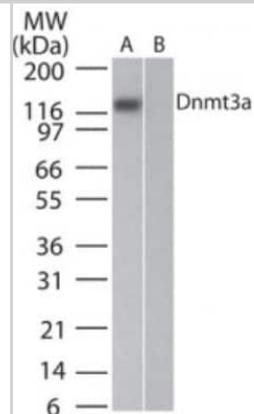
DNMT3A Antibody (64B814.1) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 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>	64B814.1
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	1788
<b>Gene Symbol</b>	DNMT3A
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 16631596).
<b>Immunogen</b>	This DNMT3A Antibody (64B814.1) was raised against bacteria expressed HIS-tag recombinant mouse Dnmt3a.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1-3 ug/ml, Immunocytochemistry/ Immunofluorescence 5 ug/ml, Flow (Intracellular)

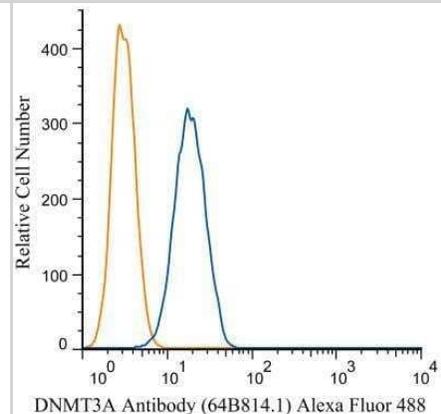


## Images

Western Blot: DNMT3A Antibody (64B814.1) [NB100-56521] - Analysis of Dnmt3a in (A) Dnmt3a transfected and (B) untransfected 293 cell lysate using Dnmt3a antibody at 1 ug/ml.



Flow (Intracellular): DNMT3A Antibody (64B814.1) [NB100-56521] - Analysis of Alexa Fluor (R) 488 conjugate of NB100-56521. An intracellular stain was performed on HeLa cells with DNMT3A antibody (64B814.1) NB100-56521AF488 (blue) and a matched isotype control NBP2-27287AF488 (orange).



## Publications

Kurihara, M;Kato, K;Sanbo, C;Ohkawa, Y;Shigenobu, S; Genomic profiling of PML bodies reveals transcriptional regulation by PML bodies through the DNMT3A exclusion Mol Cell 2020-05-01 [PMID: 32353257]

Sato N, Kondo M, Arai K. The orphan nuclear receptor GCNF recruits DNA methyltransferase for Oct-3/4 silencing. Biochem Biophys Res Commun. 2006-06-09 [PMID: 16631596] (WB, Mouse)

### Details:

WB: Fig 2A (mouse Dnmt3a1 transiently transfected COS7 cells and mouse transiently transfected Dnmt3a2 COS-7 cells), Fig S3 (undifferentiated and differentiated primary mouse embryonic stem cells). Note: The specificity of the Dnmt3a mAb clone 64B814.1 (C



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### **Products Related to NB100-56521**

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NBL1-09970	DNMT3A Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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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