

# Product Datasheet

## **DNMT3A Antibody (PCRP-DNMT3A-1E2) - Azide and BSA Free** **NBP3-08483**

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Updated 11/11/2025 v.20.1

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**NBP3-08483**

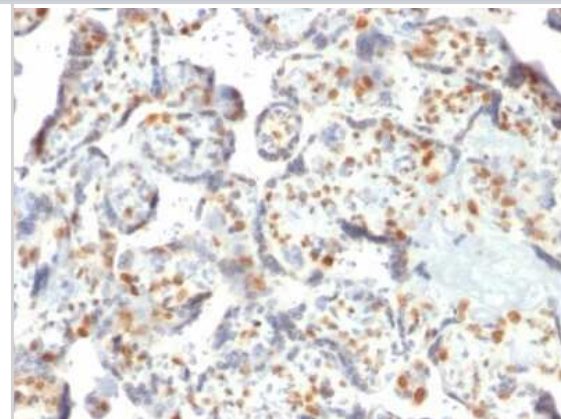
DNMT3A Antibody (PCRP-DNMT3A-1E2) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PCRP-DNMT3A-1E2
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Product Description	
Description	<p>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP3-07672).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	1788
Gene Symbol	DNMT3A
Species	Human
Specificity/Sensitivity	<p>The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. DNMT3A is required for genome-wide de novo methylation and is essential for the establishment of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. It modifies DNA in a non-processive manner and also methylates non-CpG sites. May preferentially methylate DNA linker between 2 nucleosomal cores and is inhibited by histone H1. Plays a role in paternal and maternal imprinting. Required for methylation of most imprinted loci in germ cells. Acts as a transcriptional corepressor for ZBTB18. Recruited to trimethylated 'Lys-36' of histone H3 (H3K36me3) sites. Can actively repress transcription through the recruitment of HDAC activity. Sadenosyl-L-methionin</p>
Immunogen	Recombinant human full-length DNMT3A protein (Uniprot: Q16655)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	Immunohistochemistry Formalin-fixed: 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

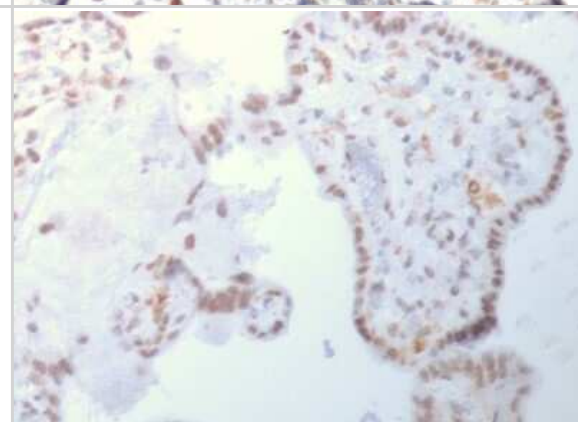


## Images

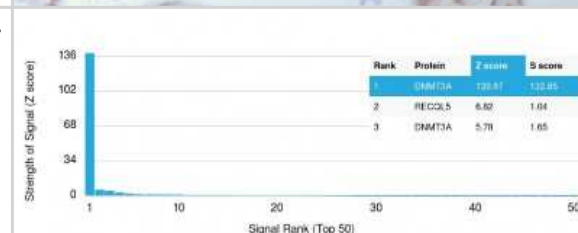
Immunohistochemistry-Paraffin: DNMT3A Antibody (PCRP-DNMT3A-1E2) [NBP3-08483] - Formalin-fixed, paraffin-embedded human Placenta stained with DNMT3A Mouse Monoclonal Antibody (PCRP-DNMT3A-1E2).



Immunohistochemistry-Paraffin: DNMT3A Antibody (PCRP-DNMT3A-1E2) [NBP3-08483] - Formalin-fixed, paraffin-embedded human Placenta stained with DNMT3A Mouse Monoclonal Antibody (PCRP-DNMT3A-1E2).



Protein Array: DNMT3A Antibody (PCRP-DNMT3A-1E2) [NBP3-08483] - Analysis of Protein Array containing more than 19,000 full-length human proteins using DNMT3A Mouse Monoclonal Antibody (PCRP-DNMT3A-1E2).





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### **Products Related to NBP3-08483**

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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)

### **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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