

# Product Datasheet

## DNMT3A Antibody (PCRP-DNMT3A-1E2) [HRP] NBP3-08483H

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08483H****DNMT3A Antibody (PCRP-DNMT3A-1E2) [HRP]**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	PCRP-DNMT3A-1E2
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	HRP
<b>Purity</b>	Protein A or 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
<b>Specificity/Sensitivity</b>	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
<b>Immunogen</b>	Recombinant human full-length DNMT3A protein (Uniprot: Q16655)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Protein Array
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry-Paraffin, Protein Array
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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

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NBP1-43319H-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [HRP]
H00001788-Q01-10ug	Recombinant Human DNMT3A GST (N-Term) Protein
H00001788-P01-2ug	Recombinant Human DNMT3A GST (N-Term) Protein
NB100-56519	DNMT1 Antibody (60B1220.1) - BSA Free

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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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