

Product Datasheet

DNMT3A Antibody (PCRP-DNMT3A-1E2) NBP3-07672-100ug

Unit Size: 100 ug

Store at 4C.

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NBP3-07672-100ug

DNMT3A Antibody (PCRP-DNMT3A-1E2)

Product Information

Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	PCRP-DNMT3A-1E2
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	102 kDa

Product Description

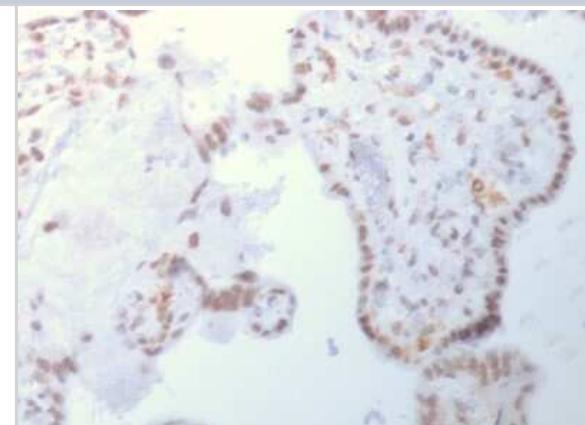
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08483) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	1788
Gene Symbol	DNMT3A
Species	Human
Specificity/Sensitivity	The specificity of this monoclonal antibody to its intended target was validated by HuProtTM 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-methionine
Immunogen	Recombinant human full-length DNMT3A protein (Uniprot: Q16655)

Product Application Details

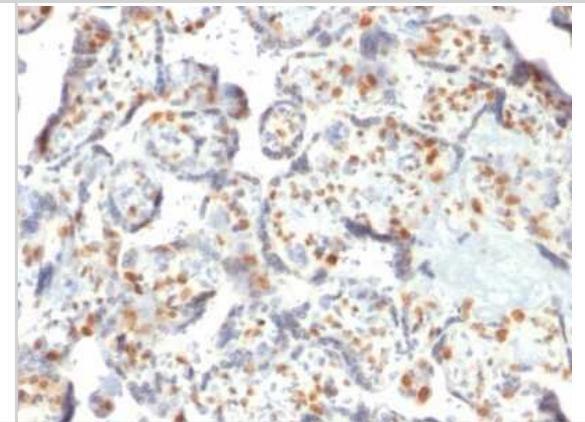
Applications	Western Blot, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires 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

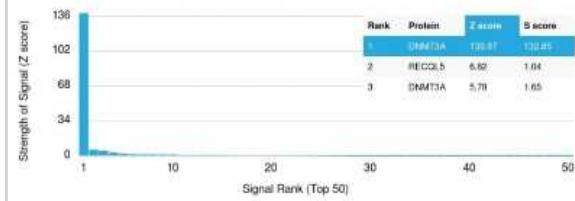
Immunohistochemistry-Paraffin: DNMT3A Antibody (PCRP-DNMT3A-1E2) [NBP3-07672] - Formalin-fixed, paraffin-embedded human Placenta stained with DNMT3A Mouse Monoclonal Antibody (PCRP-DNMT3A-1E2).



Immunohistochemistry-Paraffin: DNMT3A Antibody (PCRP-DNMT3A-1E2) [NBP3-07672] - Formalin-fixed, paraffin-embedded human Placenta stained with DNMT3A Mouse Monoclonal Antibody (PCRP-DNMT3A-1E2).



Protein Array: DNMT3A Antibody (PCRP-DNMT3A-1E2) [NBP3-07672] - 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 NBP3-07672-100ug

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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