

Product Datasheet

5-MethylCytosine Antibody - BSA Free NBP2-42813

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-42813

5-MethylCytosine Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol

Product Description

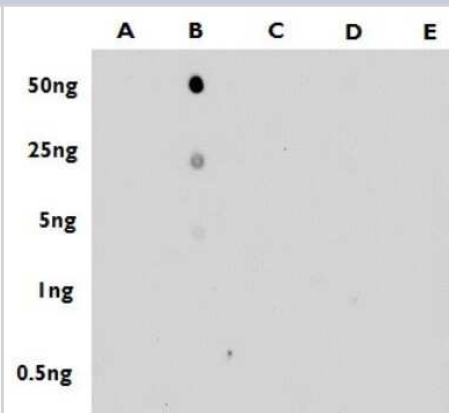
Host	Rabbit
Species	Non-species specific
Immunogen	The immunogen used to generate this antibody corresponds to 5-MethylCytosine / 5-mC

Product Application Details

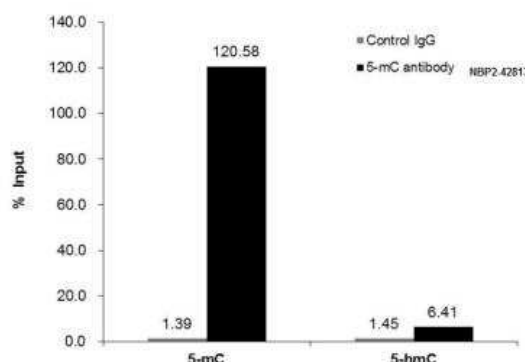
Applications	Dot Blot, Electron Microscopy, Immunoprecipitation, Methylated DNA Immunoprecipitation
Recommended Dilutions	Immunoprecipitation, Dot Blot 1:100 - 1:2000, Electron Microscopy 1:10 - 1:500, Methylated DNA Immunoprecipitation

Images

Dot Blot: 5-MethylCytosine Antibody [NBP2-42813] - Analysis of anti-5-mC antibody with the synthetic DNA controls . DNA samples (0.5 to 50 ng) were spotted onto positively charged nylon membrane and blotted with 5-mC antibody at a dilution of 1:4000. A: Unmethylated DNA B: DNA containing 5-methylcytosine C: DNA containing 5-hydroxymethylcytosine D: DNA containing 5-formylcytosine E: DNA containing 5-carboxylcytosine.



Immunoprecipitation: 5-MethylCytosine Antibody [NBP2-42813] - Human genomic DNA (150 ng) mixed with methylated cytosine standard kit were subjected to MeDIP with 5-Methylcytosine/ 5-mC antibody (NBP2-42813) at dilution of 1:2000 and analyzed with semi-quantitative PCR. The immunoprecipitated DNA was plotted as % of input DNA.



Publications

Patel, M, Patel, D Et al. CGGBP1-regulated cytosine methylation at CTCF-binding motifs resists stochasticity. BMC Genet 2020-07-29 [PMID: 32727353] (WB)





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Products Related to NBP2-42813

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-62131	5-MethylCytosine ELISA Kit (Colorimetric)

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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