

# Product Datasheet

## 5-hmC Antibody - BSA Free

### NBP2-43569

Unit Size: 0.1 ml

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

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**NBP2-43569**

5-hmC Antibody - BSA Free

**Product Information**

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

**Product Description**

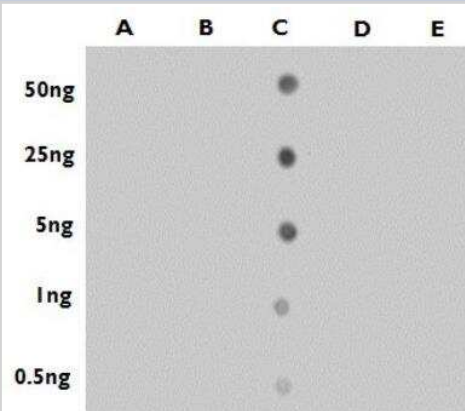
<b>Host</b>	Rabbit
<b>Species</b>	Non-species specific
<b>Immunogen</b>	The immunogen used to generate this antibody corresponds to 5-HydroxymethylCytosine / 5-hmC

**Product Application Details**

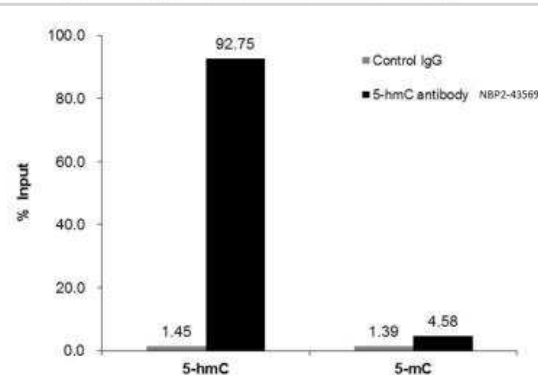
<b>Applications</b>	Dot Blot, Immunoprecipitation, Methylated DNA Immunoprecipitation
<b>Recommended Dilutions</b>	Immunoprecipitation, Dot Blot 1:100 - 1:2000, Methylated DNA Immunoprecipitation

**Images**

Dot Blot: 5-hmC Antibody [NBP2-43569] - Analysis of anti-5-hmC antibody with the synthetic DNA controls . DNA samples (0.5 to 50 ng as indicated) were spotted onto the positively charged Nylon membrane and blotted with 5-hmC antibody at a dilution of 1:50000. A: Unmethylated DNA B: DNA containing 5-methylcytosine C: DNA containing 5-hydroxymethylcytosine D: DNA containing 5-formylcytosine E: DNA containing 5-carboxylcytosine.



Methylated DNA Immunoprecipitation: 5-hmC Antibody [NBP2-43569] - Human genomic DNA (150 ng) mixed with methylated cytosine standard kit were subjected to MeDIP with 5-Hydroxymethylcytosine/ 5-hmC antibody at dilution of 1:2000 and analyzed with semi-quantitative PCR. The immunoprecipitated DNA was plotted as % of input DNA.





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### **Products Related to NBP2-43569**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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