

## 5-Hydroxymethylcytosine / 5-hmC antibody

**Cat. No. GTX128454**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	Dot, MeDIP
<b>Reactivity</b>	Species independent

**Package**  
100 µl, 25 µl

### Applications

#### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
Dot	Assay dependent
MeDIP	Assay dependent

Not tested in other applications.

### Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	7.65 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	The immunogen used to generate this antibody corresponds to 5-HydroxymethylCytosine / 5-hmC
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

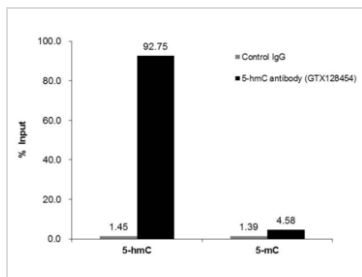
#### Note

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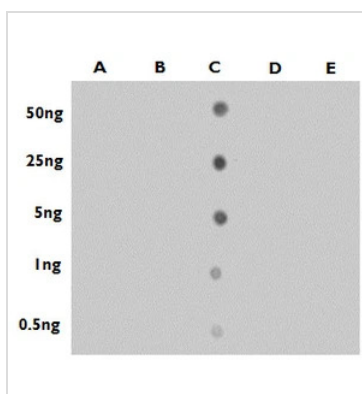


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**DATA IMAGES**

**GTX128454 MeDIP Image**

GTX128454 5-Hydroxymethylcytosine/ 5-hmC antibody in MeDIP experiment.

Human genomic DNA (150 ng) mixed with methylated cytosine standard kit (GTX400004) were subjected to MeDIP with 5-Hydroxymethylcytosine/ 5-hmC antibody (GTX128454) at dilution of 1:2000 and analyzed with semi-quantitative PCR. The immunoprecipitated DNA was plotted as % of input DNA.


**GTX128454 Dot Image**

GTX128454 5-hydroxymethylcytosine antibody Dot blot analysis of anti-5-hmC antibody with the synthetic DNA controls (GTX400004). DNA samples (0.5 to 50 ng as indicated) were spotted onto the positively charged Nylon membrane and blotted with 5-hmC antibody (GTX128454) 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



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