

## 5-Methylcytosine / 5-mC antibody

**Cat. No. GTX128455**

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

References ( 2 )

★★★★★ Review ( 1 )

Package

100 µl, 25 µl

### Applications

#### Application Note

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

Suggested dilution	Recommended dilution
Dot	Assay dependent
EM	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>	7.55 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-MethylCytosine / 5-mC
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated

#### Note

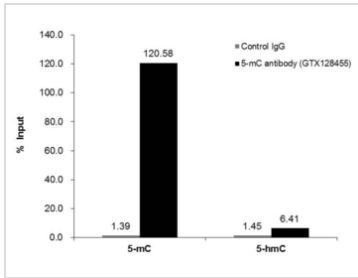
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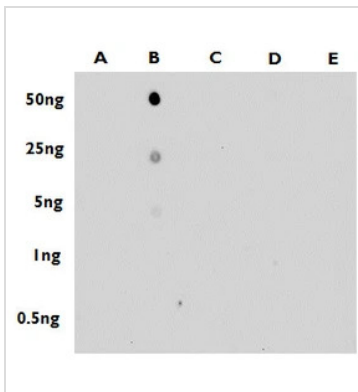
## DATA IMAGES



### GTX128455 MeDIP Image

GTX128455 5-Methylcytosine/ 5-mC antibody in MeDIP experiment.

Human genomic DNA (150 ng) mixed with methylated cytosine standard kit (GTX400004) were subjected to MeDIP with 5-Methylcytosine/ 5-mC antibody (GTX128455) at dilution of 1:2000 and analyzed with semi-quantitative PCR. The immunoprecipitated DNA was plotted as % of input DNA.



### GTX128455 Dot Image

GTX128455 5-methylcytosine antibody Dot blot analysis of anti-5-mC antibody with the synthetic DNA controls (GTX400004). DNA samples (0.5 to 50 ng) were spotted onto positively charged nylon membrane and blotted with 5-mC antibody (GTX128455) 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



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