5-Methylcytosine / 5-mC antibody [GT4111]

Cat No. GTX629448

Host       Mouse
Clonality  Monoclonal
Isotype    IgG1
Application IHC-P, IHC-Fr, IHC-Wm, Dot, EM, MeDIP
Reactivity Mouse

APPLICATION

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

<table>
<thead>
<tr>
<th>Suggested dilution</th>
<th>Dilution</th>
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<tbody>
<tr>
<td>IHC-P</td>
<td>1:100-1:1000</td>
</tr>
<tr>
<td>IHC-Fr</td>
<td>Assay dependent</td>
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<tr>
<td>IHC-Wm</td>
<td>1:50-1:500</td>
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<tr>
<td>Dot</td>
<td>Assay dependent</td>
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<tr>
<td>EM</td>
<td>Assay dependent</td>
</tr>
<tr>
<td>MeDIP</td>
<td>Assay dependent</td>
</tr>
</tbody>
</table>

Not tested in other applications.

PROPERTIES

Form       Liquid
Buffer     PBS

Storage    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.

Concentration 1.7 mg/ml (Please refer to the vial label for the specific concentration.)

Immunogen The immunogen used to generate this antibody corresponds to 5-Methylcytosine / 5-mC

Purification Affinity purified by Protein G.

Conjugation Unconjugated

Note For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
GTX629448 MeDIP Image

GTX629448 5-Methylcytosine/ 5-mC antibody [GT4111] in MeDIP experiment.
Human genomic DNA (500 ng) mixed with methylated cytosine standard kit (GTX400004) were subjected to MeDIP with 5-Methylcytosine/ 5-mC antibody [GT4111] (GTX629448) at dilution of 1:500 and analyzed with semi-quantitative PCR. The immunoprecipitated DNA was plotted as % of input DNA.

GTX629448 IHC-Wm Image

5-Methylcytosine / 5-mC antibody [GT4111] detects 5-Methylcytosine / 5-mC protein on zebrafish by whole mount immunohistochemical analysis.
Sample: 24 hours-post-fertilization zebrafish embryo.
5-Methylcytosine / 5-mC antibody [GT4111] (GTX629448) dilution: 1:50.

GTX629448 IHC-Wm Image

5-Methylcytosine / 5-mC antibody [GT4111] detects 5-Methylcytosine / 5-mC protein on zebrafish by whole mount immunohistochemical analysis.
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5-Methylcytosine / 5-mC antibody [GT4111] (GTX629448) dilution: 1:50.

GTX629448 Dot Image

GTX629448 5-methylcytosine antibody [GT4111] 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 (GTX629448) at a dilution of 1:500. A: Unmethylated DNA fragment B: DNA fragment containing 5-methylcytosine C: DNA fragment containing 5-hydroxymethylcytosine D: DNA fragment containing 5-formylcytosine E: DNA fragment containing 5-carboxylcytosine