5-Hydroxymethylcytosine / 5-hmC antibody - MeDIP grade

Cat. No. GTX60802

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	Dot, ELISA, hMeDIP
Reactivity	Species independent

Package
50 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
Dot	1:200
ELISA	1/500
hMeDIP	2.5 µl

Not tested in other applications.

Properties

Form	Liquid
Buffer	Serum
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Immunogen	5-hydroxymethylcytosine conjugated to KLH.
Purification	Unpurified
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

For full product information, images and publications, please visit our website.

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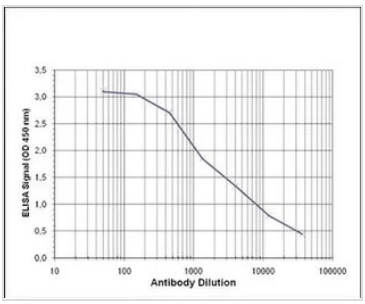
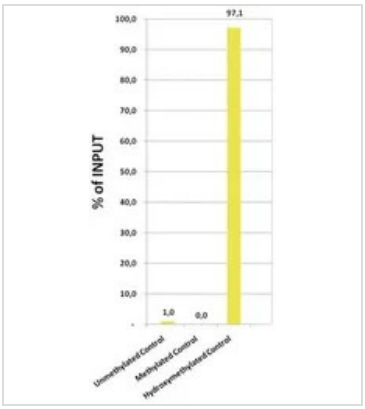
DATA IMAGES



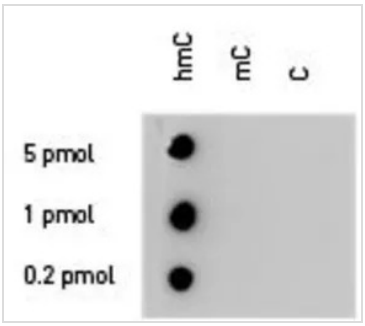
GTX60802 ELISA Image

ELISA analysis of peptides used for immunization using GTX60802 5-Hydroxymethylcytosine / 5-hmC antibody - MeDIP grade.



GTX60802 hMeDIP Image

hMeDIP analysis of HeLa cells DNA using GTX60802 5-Hydroxymethylcytosine / 5-hmC antibody - MeDIP grade. 1 µg of human Hela cells DNA were spiked with non-methylated, methylated, and hydroxymethylated fragments. The DNA was prepared with the GenDNA module of the hMeDIP kit and sonicated to have DNA fragments of 300-500 bp. The IgG isotype antibodies from rabbit was used as negative control. The obtained results show that this antibody is highly specific for this base modification (no IP with non-methylated or methylated C bases containing fragments).



GTX60802 Dot Image

Dot blot analysis of 100 to 4 ng (equivalent of 5 to 0.2 pmol of C-bases) of the hmC, mC and C PCR controls using GTX60802 5-Hydroxymethylcytosine / 5-hmC antibody - MeDIP grade.
Dilution : 1:200

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