

## 5-Hydroxymethylcytosine / 5-hmC antibody [RM236]

Cat. No. GTX33605

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Applications</b>	ICC/IF, IHC-P, FCM, Dot, ELISA, MeDIP
<b>Reactivity</b>	Species independent

References ( 1 )

Package

50 µg

## Applications

## Application Note

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

Suggested dilution	Recommended dilution
ICC/IF	0.5 µg/mL - 2 µg/mL
IHC-P	0.1 µg/mL - 1 µg/mL
FCM	1 µg/mL - 5 µg/mL
Dot	0.2 µg/mL - 1 µg/mL
ELISA	0.1 µg/mL - 1 µg/mL
MeDIP	0.2 µg/mL - 2 µg/mL

Not tested in other applications.

## Product Note

This antibody reacts to 5-hydroxymethylcytosine in both single-stranded and double-stranded DNA. No cross reactivity with non-methylated cytosine and methylcytosine in DNA.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 50% Glycerol
<b>Preservative</b>	0.09% Sodium azide
<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>	Batch dependent (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	BSA-conjugated 5-hydroxymethylcytosine.
<b>Purification</b>	Protein A purified From tissue culture supernatant
<b>Conjugation</b>	Unconjugated

For full product information, images and publications, please visit our [website](#).

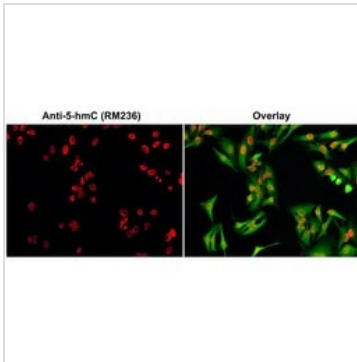
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

#### Note

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.

#### DATA IMAGES



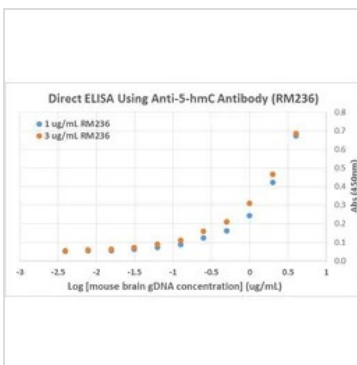
#### GTX33605 ICC/IF Image

ICC/IF analysis of HeLa cells treated with sodium butyrate using GTX33605 5-Hydroxymethylcytosine / 5-hmC antibody [RM236]. HeLa cells were fixed with 4% PFA and permeabilized with methanol (-20°C) before treatment with 2 N HCl for 30 min at 37 °C to denature DNA.

Red : Primary antibody

Green : Actin

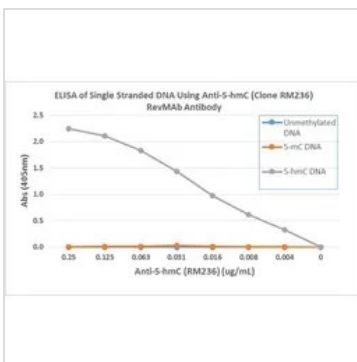
Dilution : 0.5µg/ml



#### GTX33605 ELISA Image

ELISA analysis of mouse brain genomic DNA using GTX33605 5-Hydroxymethylcytosine / 5-hmC antibody [RM236].

Dilution : 1 ug/mL or 3 ug/mL of RM236 was used as the primary antibody.



#### GTX33605 ELISA Image

ELISA analysis of unmethylated DNA, 5-Methylcytosine (5-mC) DNA, and 5-Hydroxymethylcytosine (5-hmC) DNA using serial diluted GTX33605 5-Hydroxymethylcytosine / 5-hmC antibody [RM236].



For full product information, images and publications, please visit our [website](https://www.genetex.com).