

Beratung und Vertrieb

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Product: Rabbit Monoclonal Antibody
Anti-5- hydroxymethylcytosine Rabbit Monoclonal Antibody, Clone RM236

Catalog No.: 31-1111-00

Lot No.:

Clone RM236

Specificity 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.

Application: MeDIP, ELISA, Dot Blot, Immunocytochemistry, Immunohistochemistry.

Immunogen: BSA-conjugated 5-hydroxymethylcytosine.

Purity: Protein A affinity purified from an animal origin-free culture supernatant

Size: 50 µg

Concentration: 1.0 mg/mL

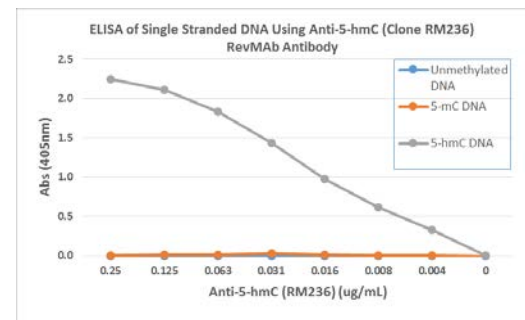
Buffer: 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

Usage: Dot Blot: 0.2 µg/mL - 1 µg/mL;
IHC: 0.1 µg/mL - 1 µg/mL;
ELISA: 0.1µg/mL - 1 µg/mL.

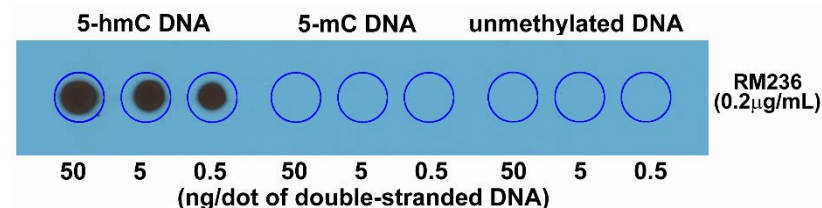
Storage and Stability: Stable for 1 Year at -20.0°C from date of receipt.

Country of Origin: U.S.A.

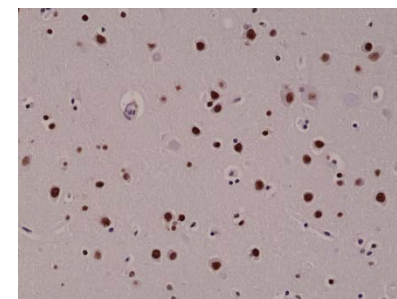
Intended Use: For Research Use Only Not for Diagnostic or Therapeutic Use



ELISA of single stranded DNA using rabbit monoclonal anti-5-hmC (clone RM236) antibody. The plate was coated with streptavidin and then biotinylated single stranded unmethylated DNA, 5-Methylcytosine (5-mC) DNA, and 5-Hydroxymethylcytosine (5-hmC) DNA. A serial dilution of RM236 was used as the primary antibody, and an alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.



Dot blot of double stranded DNA using rabbit monoclonal anti-5-hmC (clone RM236) antibody. The membrane was pre-spotted with 50, 5, and 0.5 ng/dot of double stranded 5-Hydroxymethylcytosine (5-hmC) DNA, 5-Methylcytosine (5-mC) DNA, and unmethylated DNA. Then the pre-spotted membrane was blotted with RM236.



Immunohistochemical staining of formalin fixed and paraffin embedded human brain tissue sections, using rabbit monoclonal anti-5-hmC (clone RM236) antibody.