



## Rabbit Anti-5 MethylCytosine antibody

SL9450R

<b>Product Name:</b>	5 MethylCytosine
<b>Chinese Name:</b>	5甲基胞嘧啶抗体
<b>Alias:</b>	5-Methyl Cytidine; 5 m C; 5 mC; 5 me C; 5 Me Cytidine; 5 MeCyd; 5 Methyl Cytidine; 5 MethylCytosine; 5-mC; 5-Me Cytidine; 5-Methyl-Cytosine; 5-MethylCytidine.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	5 MethylCytosine
<b>Applications:</b>	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	0.16159kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated 5 MethylCytosine:
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 癢 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癢. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癢.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Cytidine is a nucleoside formed by a cytosine attached to a ribose ring via a beta-N1-glycosidic bond. DNA is methylated on cytidines by DNA methylases (DNMTs)to generate 5-methylcytidine (5-mC), a potent epigenetics marker and regulator of gene expression. The reverse reaction (cytidine demethylation) starts with its oxidation to

hydroxymethyl- (5-hmC), formyl- (5-fC), and carboxy- (5-caC) cytidine. Several enzymes, including the Tet family of proteins have been implicated in cytidine demethylation.

**Subcellular Location:**

Nuclear.

**SWISS:**

N/A

**CAS:**

58366-64-6

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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