

## 5-Methylcytosine (5-mC) Rabbit Polyclonal Antibody

### Catalog #: EAB13623

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	IF/ICC		Human, Mouse, Rat

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**IF/ICC**(Immunofluorescence/Immunocytochemistry) 1:50-300

### Product Information

<b>Conjugate</b>	Unconjugate
<b>Specificity</b>	5-Methylcytosine (5-mC) Rabbit Polyclonal Antibody detects endogenous levels of 5-Methylcytosine (5-mC) protein.
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1mg/ml
<b>Format</b>	Liquid
<b>Formulation</b>	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol.
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks.
<b>UniProt ID</b>	
<b>Entrez-Gene ID</b>	

### Product Description

Methylation of DNA cytosine bases plays important roles in the regulation of gene transcription. It has been estimated that 60 to 90% of the cytosines in CpG dinucleotides are methylated. An increase in methyl-CpG correlates with transcriptional silencing for the whole chromosome especially in developmentally regulated genes. Methylation is believed to lead to transcriptional silencing by multiple mechanisms including alteration of transcription factor binding to promoters and alteration in chromatin structure.

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