5-Methylcytosine (5mC) Rabbit Monoclonal Antibody

CAB20599

Product Information

Product SKU:	CAB20599	**Gene ID**:	-	**Size**:	20uL, 100uL
Clone No:	ARC50801	**Host Species:**	Rabbit	**Reactivity**:	Species independent

Additional Information

Observed MW:	-	**Conjugate:**	-
Calculated MW:	-	**Isotype:**	IgG

Immunogen Information

Background:	In the mammalian genome, DNA methylation is an epigenetic mechanism involving the transfer of a methyl group onto the C5 position of the cytosine to form 5-methylcytosine. DNA methylation regulates gene expression by recruiting proteins involved in gene repression or by inhibiting the binding of transcription factor(s) to DNA. During development, the pattern of DNA methylation in the genome changes as a result of a dynamic process involving both de novo DNA methylation and demethylation. As a consequence, differentiated cells develop a stable and unique DNA methylation pattern that regulates tissue-specific gene transcription.? Intriguingly, postmitotic neurons still express DNA methyltransferases and components involved in DNA demethylation. Moreover, neuronal activity can modulate their pattern of DNA methylation in response to physiological and environmental stimuli. The precise regulation of DNA methylation is essential for normal cognitive function.
Recommended Dilution:	DB,1:500 - 1:1000
Synonyms:	5mC; 5-Methylcytosine (5mC)
Purifcation Method:	Affinity purification
Immunogen:	5mC
Storage:	Store at -20℃. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

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