

**Product Name: MBD1 (3J6) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe13680**

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## Summary

<b>Production Name</b>	MBD1 (3J6) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,ICC/IF
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	MBD1
<b>Alternative Names</b>	CXXC 3; Mbd1; MECP1 COMPLEX; PCM1; RFT;
<b>Gene ID</b>	4152.0
<b>SwissProt ID</b>	Q9UIS9.

## Application

<b>Dilution Ratio</b>	WB 1:1000, IHC-P/IF-P 1:100-1:200, ICC/IF 1:100-1:200
<b>Molecular Weight</b>	67kDa

## Background

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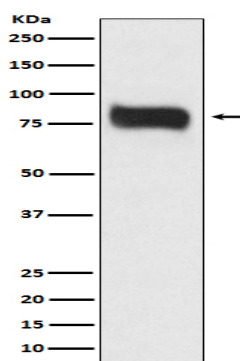
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Transcriptional repressor that binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within CpG dinucleotides. Binding is abolished by the presence of 7-mG that is produced by DNA damage by methylmethanesulfonate (MMS). Transcriptional repressor that binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within CpG dinucleotides. Binding is abolished by the presence of 7-mG that is produced by DNA damage by methylmethanesulfonate (MMS). Acts as transcriptional repressor and plays a role in gene silencing by recruiting ATF7IP, which in turn recruits factors such as the histone methyltransferase SETDB1. Probably forms a complex with SETDB1 and ATF7IP that represses transcription and couples DNA methylation and histone 'Lys-9' trimethylation. Isoform 1 and isoform 2 can also repress transcription from unmethylated promoters.

## Research Area

## Image Data



Western blot analysis of MBD1 expression in HeLa cell lysate.

## Note

For research use only.