

Product Name: MBD2 (12B17) Rabbit Monoclonal Antibody
Catalog #: AMRe13681



Summary

Production Name	MBD2 (12B17) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	MBD2
Alternative Names	Demethylase; DMTase; Mbd2; MBD2a;
Gene ID	8932.0
SwissProt ID	Q9UBB5.A synthetic peptide of human MBD2

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	43kDa

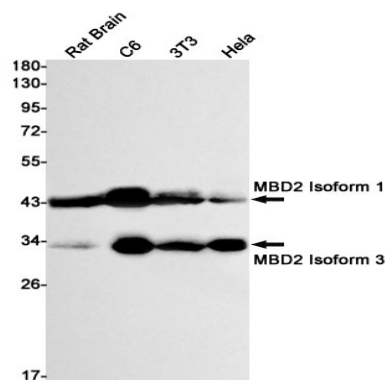
Background

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Binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within CpG dinucleotides. Binds hemimethylated DNA as well. Recruits histone deacetylases and DNA methyltransferases. Binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within CpG dinucleotides. Binds hemimethylated DNA as well. Recruits histone deacetylases and DNA methyltransferases. Acts as transcriptional repressor and plays a role in gene silencing. Functions as a scaffold protein, targeting GATAD2A and GATAD2B to chromatin to promote repression. May enhance the activation of some unmethylated cAMP-responsive promoters.

Research Area

Image Data



Western blot detection of MBD2 in Rat Brain, C6, 3T3, HeLa cell lysates using MBD2 antibody (1:1000 diluted).

Note

For research use only.