

MBD2

Reactivity: Mouse

Tested applications: WB

Recommended Dilution: WB 1:200 - 1:2000

Calculated MW: 43kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant Protein of human MBD2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

1 mg/ml

Synonym:

DMTase; NY-CO-41;

Catalog #: A2241

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 8932

Isotype: IgG

Swiss Prot: Q9UBB5

Purity: Affinity purification

For research use only.

Background:

DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. The protein encoded by this gene may function as a mediator of the biological consequences of the methylation signal. It is also reported that this protein functions as a demethylase to activate transcription, as DNA methylation causes gene silencing. Two transcript variants encoding different isoforms have been found for this gene.

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