

Code No. 18861

**Anti-Human
MBD2 Rabbit IgG Affinity Purify**Volume : 100 µg

Introduction : Methylation at CpG dinucleotides in genomic DNA is a fundamental epigenetic mechanism of gene expression control in vertebrates. Proteins with a methyl-CpG binding domain (MBD) can bind to single methylated CpGs and most of them are involved in transcription control. So far, five vertebrate MBD proteins have been described as MBD family members: BD1, MBD2, MBD3, MBD4 and MECP2.

Antigen : Synthetic peptide of the C terminal part of Human MBD2 (TEEMDIEMDSGDEA)

Purification : Purified with antigen peptide

Form : Lyophilized product from 1 % BSA in PBS containing 0.05% NaN₃

How to use : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

Stability : Lyophilized product, 5 years at 2 – 8 °C
: Solution, 2 years at –20 °C

Application : This antibody can be used for western blotting in concentration of about 2 µg /mL.

Specificity : Not cross-react with MBD3 (by western blotting).

Reference : 1. Zhang Y, Ng HH, Erdjument-Bromage H, Tempst P, Bird A, and Reinberg D. Analysis of the NuRD subunits reveals a histone deacetylase core complex and a connection with DNA methylation. *Genes Dev.* 13: 1924-35, 1999.

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Immuno-Biological Laboratories, Inc. Toll-Free: 888-523-1246
8201 Central Ave NE, Suite P Email: info@IBL-America.com
Minneapolis, MN 55432 Web: www.IBL-America.com