

Recombinant

DGRmAb®

MBD2 (DGR14399) Rabbit mAb

db11623

Package : 10µL 20µL 50µL 100µL

Product Name : MBD2 (DGR14399) Rabbit mAb

Cat.No.: db11623

Synonyms : DMTase; NY-CO-41

Application : WB, IHC, ICC/IF, FC, IP

Reactivity : Human, Mouse, Rat

Host species : Rabbit

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 the 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. [provided by RefSeq, Feb 2011]

Immunogen

A synthetic peptide of human MBD2

Gene ID

8932

Swiss Prot

Q9UBB5

Synonyms

DMTase; NY-CO-41

Reactivity

Human, Mouse, Rat

Application

WB, IHC, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000
 IHC: 1:20-1:500
 ICC/IF: 1:100
 FC: 1:20
 IP: 1:20

Calculated MW

43 kDa

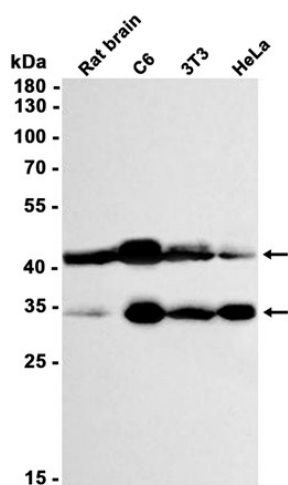
Observed MW

43 kDa

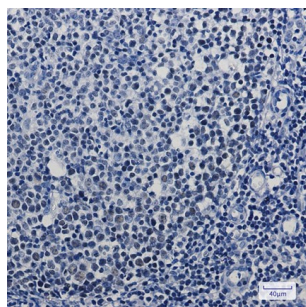
Host species

Rabbit

Clonality	Monoclonal
Clonality No.	DGR14399
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from C6, 3T3, HeLa cells and Rat brain tissue using db11623 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human tonsil using db11623 antibody.



Immunofluorescent analysis of HL-60 cells using db11623 antibody (green), and DAPI (blue).