

Recombinant

DGRmAb®

MBD2 (DGR14399) Rabbit mAb (PBS Only)

db11623-PBS

Package : 10µg 100µg

Product Name : MBD2 (DGR14399) Rabbit mAb (PBS Only)**Cat.No.:** db11623-PBS**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

Calculated MW

43 kDa

Observed MW

43 kDa

Host species

Rabbit

Clonality

Monoclonal

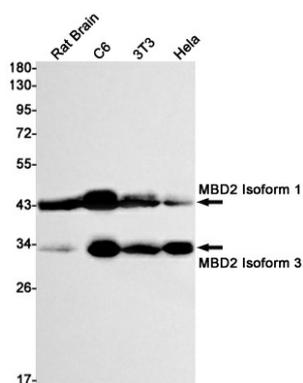
Clonality No.

DGR14399

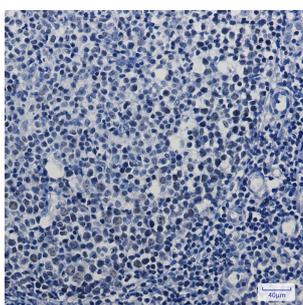
Isotype

IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



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



Immunohistochemical analysis of paraffin-embedded human tonsil using [db11623](#) antibody.



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