

Recombinant

DGRmAb®

MBD3 (DGR12319) Rabbit mAb (PBS Only)

db12550-PBS

Package : 10µg 100µg

Product Name : MBD3 (DGR12319) Rabbit mAb (PBS Only)**Cat.No.:** db12550-PBS**Synonyms** : Methyl-CpG-binding protein MBD3**Application** : WB, 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. This gene belongs to a family of nuclear proteins which are characterized by the presence of a methyl-CpG binding domain (MBD). The encoded protein is a subunit of the NuRD, a multisubunit complex containing nucleosome remodeling and histone deacetylase activities. Unlike the other family members, the encoded protein is not capable of binding to methylated DNA. The protein mediates the association of metastasis-associated protein 2 with the core histone deacetylase complex. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]

Immunogen

A synthetic peptide of human MBD3

Gene ID

53615

Swiss Prot

O95983

Synonyms

Methyl-CpG-binding protein MBD3

Reactivity

Human,Mouse,Rat

Application

WB, ICC/IF, FC, IP

Calculated MW

33 kDa

Observed MW

33 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR12319

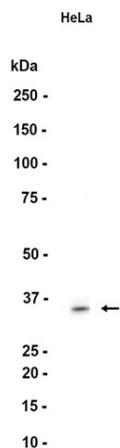
Isotype

IgG

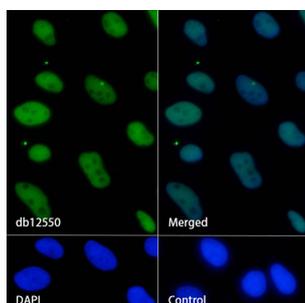
Purity

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 analysis of extracts from HeLa cells using db12550 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling MBD3 with db12550.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12550 (1:100) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.