

Recombinant

DGRmAb®

MBD1 (DGR33011) Rabbit mAb (PBS Only)

db13278-PBS

Package : 10µg 100µg

Product Name : MBD1 (DGR33011) Rabbit mAb (PBS Only)**Cat.No.:** db13278-PBS**Synonyms** : RFT; PCM1; CXXC3**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human**Host species** : Rabbit**Background**

The protein encoded by this gene is a member of a family of nuclear proteins related by the presence of a methyl-CpG binding domain (MBD). These proteins are capable of binding specifically to methylated DNA, and some members can also repress transcription from methylated gene promoters. This protein contains multiple domains: MBD at the N-terminus that functions both in binding to methylated DNA and in protein interactions; several CXXC-type zinc finger domains that mediate binding to non-methylated CpG dinucleotides; transcriptional repression domain (TRD) at the C-terminus that is involved in transcription repression and in protein interactions. Numerous alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Feb 2011]

Immunogen

A synthetic peptide of human MBD1

Gene ID

4152

Swiss Prot

Q9UIS9

Synonyms

RFT; PCM1; CXXC3

Reactivity

Human

Application

WB, IHC-P, ICC/IF

Calculated MW

67 kDa

Observed MW

67 kDa

Host species

Rabbit

Clonality

Monoclonal

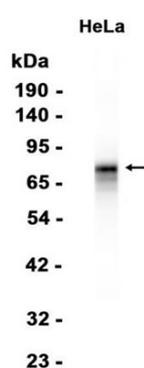
Clonality No.

DGR33011

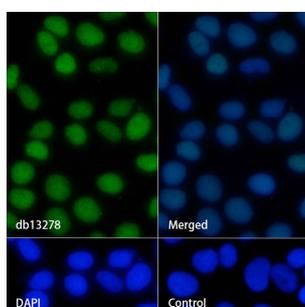
Isotype

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 [db13278](#) at 1:1000.



Immunofluorescence analysis of MCF-7 cells labelling MBD1 with [db13278](#).

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 [db13278](#) (1:100) at room temprature 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.