Recombinant DGRmAb®

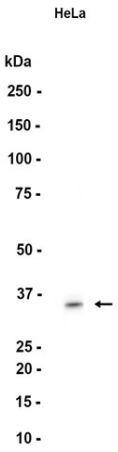
MBD3 (DGR12319) Rabbit mAb

db12550 **Package : 10μL 20μL 50μL 100μL**

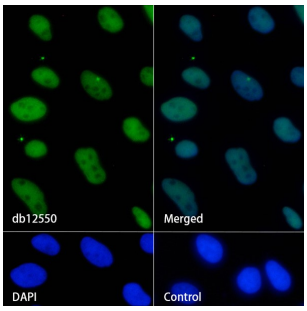
Product Name : MBD3 (DGR12319) Rabbit mAb
Cat.No.: db12550
Synonyms : Methyl-CpG-binding protein MBD3
Application : WB, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Recommended dilution	WB: 1:1000-1:5000 ICC/IF: 1:100-1:1000 FC: 1:10-1:100 IP: 1:20
Calculated MW	33 kDa
Observed MW	33 kDa
Host species	Rabbit
Clonality	Monoclonal

Clonality No.	DGR12319
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 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 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.