

Recombinant

DGRmAb®

Dnmt1 (DGR11950) Rabbit mAb (PBS Only)

db15873-PBS

Package : 10µg 100µg

Product Name : Dnmt1 (DGR11950) Rabbit mAb (PBS Only)**Cat.No.:** db15873-PBS**Synonyms** : AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN; m.Hsal**Application** : WB, IHC, ICC/IF, FC**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

This gene encodes an enzyme that transfers methyl groups to cytosine nucleotides of genomic DNA. This protein is the major enzyme responsible for maintaining methylation patterns following DNA replication and shows a preference for hemi-methylated DNA. Methylation of DNA is an important component of mammalian epigenetic gene regulation. Aberrant methylation patterns are found in human tumors and associated with developmental abnormalities. Variation in this gene has been associated with cerebellar ataxia, deafness, and narcolepsy, and neuropathy, hereditary sensory, type IE. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Immunogen

A synthetic peptide of human Dnmt1

Gene ID

1786

Swiss Prot

P26358

Synonyms

AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN; m.Hsal

Reactivity

Human, Mouse, Rat

Application

WB, IHC, ICC/IF, FC

Calculated MW

183 kDa

Observed MW

183 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR11950

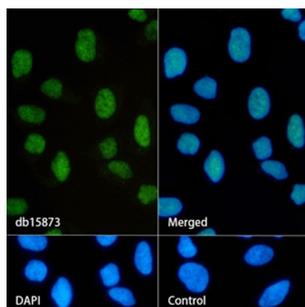
Isotype

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. |



Immunofluorescence analysis of HeLa cells labelling Dnmt1 with [db15873](#).

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 [db15873](#) (1:1000) 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.