







Dnmt1 (DGR12018) Rabbit mAb

db15843 Package : 10μL 20μL 50μL 100μL

Product Name: Dnmt1 (DGR12018) Rabbit mAb

Cat.No.: db15843

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

Application: WB, IHC-P, ICC/IF, FC

Reactivity : Human

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

Application WB, IHC-P, ICC/IF, FC

Recommended dilution WB: 1:1000-1:5000

IHC-P: 1:200-1:1000 ICC/IF: 1:100-1:200

FC: 1:20

Calculated MW 183 kDa

Observed MW 183 kDa

Host species Rabbit

Clonality Monoclonal





Clonality No. DGR12018

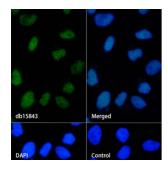
Isotype IgG

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.



Immunofluorescence analysis of HeLa cells labelling Dnmt1 with db15843.

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 db15843 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit lgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.