Recombinant DGRmAb®

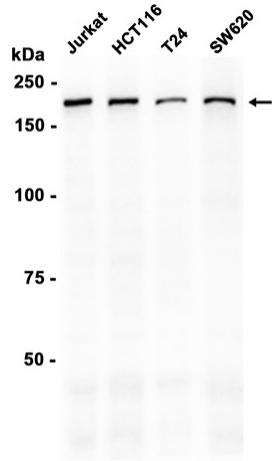
Dnmt1 (DGR19467) Rabbit mAb (PBS Only)

db12139-PBS **Package : 10μg 100μg**

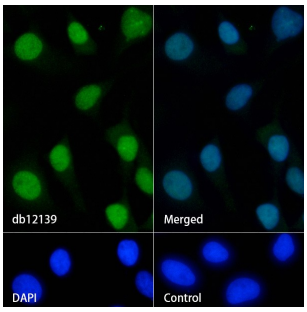
Product Name : Dnmt1 (DGR19467) Rabbit mAb (PBS Only)
Cat.No.: db12139-PBS
Synonyms : AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN; m.HsaI
Application : WB, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

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.HsaI
Reactivity	Human
Application	WB, ICC/IF, FC, IP
Calculated MW	183 kDa
Observed MW	183 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19467
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 Jurkat, HCT116, T24, SW620 cells using db12139 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Dnmt1 with db12139.

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 db12139 (1:50) 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.