

Recombinant

DGRmAb®

PRMT1 (DGR20914) Rabbit mAb

db14192

Package : 10µL 20µL 50µL 100µL

Product Name : PRMT1 (DGR20914) Rabbit mAb

Cat.No.: db14192

Synonyms : ANM1; HCP1; IR1B4; HRMT1L2

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

Reactivity : Human,Mouse,Rat

Host species : Rabbit

Background

This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2011]

Immunogen

A synthetic peptide of human PRMT1

Gene ID

3276

Swiss Prot

Q99873

Synonyms

ANM1; HCP1; IR1B4; HRMT1L2

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF, IP

Recommended dilution

WB: 1:1000
 IHC-P: 1:200-1:500
 ICC/IF: 1:500-1:2000
 IP: 1:50-1:100

Calculated MW

43 kDa

Observed MW

43 kDa

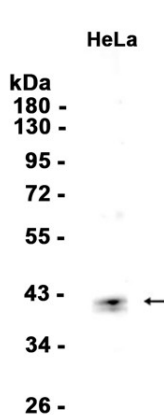
Host species

Rabbit

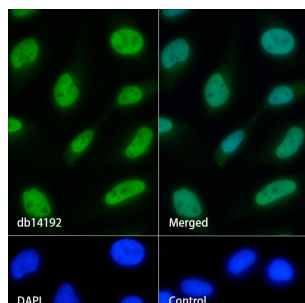
Clonality

Monoclonal

Clonality No.	DGR20914
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 db14192 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling PRMT1 with db14192.

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 db14192 (1:500) 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.