

Recombinant

DGRmAb®

Dnmt3a (DGR14654) Rabbit mAb (PBS Only)

db15256-PBS

Package : 10µg 100µg

Product Name : Dnmt3a (DGR14654) Rabbit mAb (PBS Only)**Cat.No.:** db15256-PBS**Synonyms** : TBRS; DNMT3A2; M.HsaIII A**Application** : WB, ICC/IF, FC**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated. [provided by RefSeq, Mar 2016]

Immunogen

A synthetic peptide of human Dnmt3a

Gene ID

1788

Swiss Prot

Q9Y6K1

Synonyms

TBRS; DNMT3A2; M.HsaIII A

Reactivity

Human, Mouse, Rat

Application

WB, ICC/IF, FC

Calculated MW

102 kDa

Observed MW

130 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR14654

Isotype

IgG

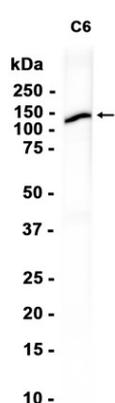
Purity

Affinity Purification

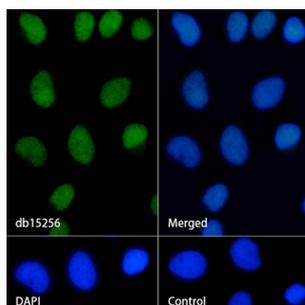
Conjugation

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.



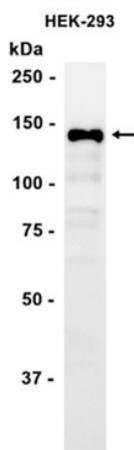
Western blot analysis of extracts from C6 cells using [db15256](#) at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Dnmt3a with [db15256](#).

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 [db15256](#) (1:200) at room temperature 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.



Western blot analysis of extracts from HEK-293 cells using [db15256](#) at 1:1000.