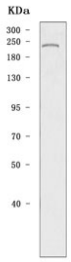
DNA methyltransferase 1 Antibody / Dnmt1 (RQ7268)

Catalog No.	Formulation	Size
RQ7268	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P13864
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This DNA methyltransferase 1 antibody is available for research use only.



DNA methyltransferase 1 Antibody Mouse Testis WB. Western blot testing of mouse testis tissue lysate with DNA methyltransferase 1 antibody. Predicted molecular weight: 180-200 kDa.

Description

DNA methyltransferase 1 Antibody detects DNMT1. DNA (cytosine-5)-methyltransferase 1 is an enzyme that in humans is encoded by the DNMT1 gene. 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.

This antibody can be compared with our DNMT1 Antibody for consistent detection of DNMT1 across DNA methylation and epigenetic regulation studies.

Application Notes

Optimal dilution of the DNA methyltransferase 1 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids Q509-Q1577) was used as the immunogen for the DNA methyltransferase 1 antibody.

Storage

After reconstitution, the DNA methyltransferase 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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