

DNMT3L Rabbit Polyclonal Antibody



CAB2342

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

Calculated MW:

43kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:20 - 1:50

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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 nuclear protein with similarity to DNA methyltransferases, but is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, it does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Immunogen information

Gene ID:

29947

Uniprot

Q9UJW3

Synonyms:

DNMT3L

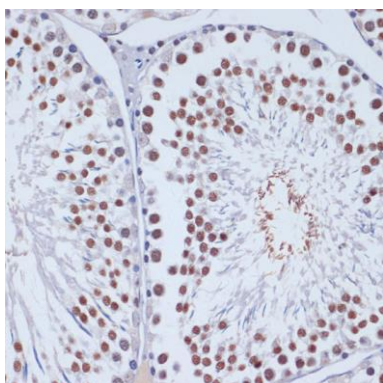
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-386 of human DNMT3L (NP_787063.1).

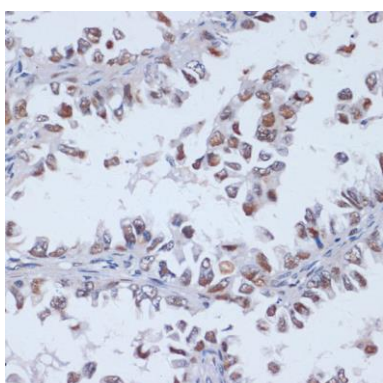
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

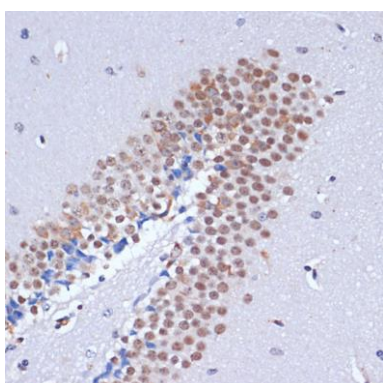
Product Images



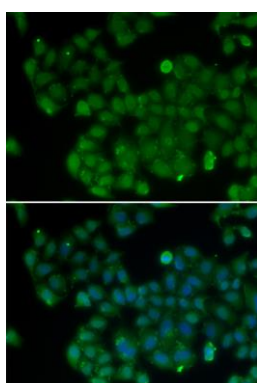
Immunohistochemistry of paraffin-embedded rat testis using DNMT3L antibody (CAB2342) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using DNMT3L antibody (CAB2342) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using DNMT3L antibody (CAB2342) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using DNMT3L antibody (CAB2342).