# DNMT3B Rabbit Polyclonal Antibody

**CAB2899**

## Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

110kDa

**Calculated MW:**

77-95kDa

**Applications:**

WB IF

**Reactivity:**

Human, Mouse, Rat

## Antibody Information

**Recommended dilutions:**
WB 1:200 - 1:1000 IF 1:50 - 1:200

**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 DNA methyltransferase which is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes primarily to the nucleus and its expression is developmentally regulated. Mutations in this gene cause the immunodeficiency-centromeric instability-facial anomalies (ICF) syndrome. Eight alternatively spliced transcript variants have been described. The full length sequences of variants 4 and 5 have not been determined.

## Immunogen information

**Gene ID:**
1789

**Uniprot**
Q9UBC3

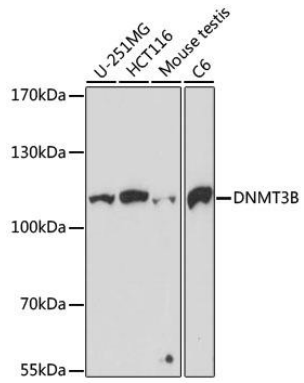
**Synonyms:**
DNMT3B; ICF; ICF1; M.HsaIIIB

**Immunogen:**
A synthetic peptide of human DNMT3B

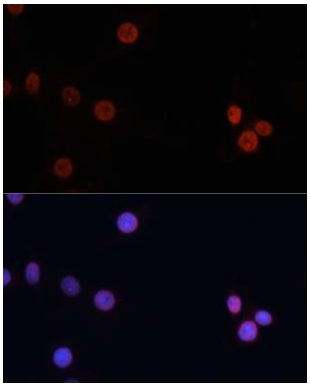
**Storage:**
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

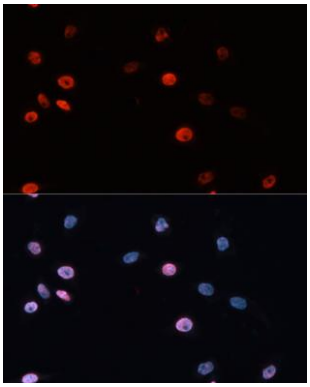
**Product Images**




Western blot analysis of extracts of various cell lines, using DNMT3B antibody (CAB2899) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3min.



Immunofluorescence analysis of C6 cells using DNMT3B Rabbit pAb (CAB2899) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using DNMT3B Rabbit pAb (CAB2899) at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.