

DNMT3B monoclonal antibody

Catalog: MB22013

Host: Mouse

Reactivity: Human

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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

95.8kDa

Swiss-Prot:

Q9UBC3

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF: 1/200 - 1/1000 FC: 1/200 - 1/400

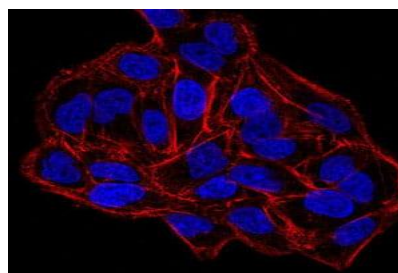
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

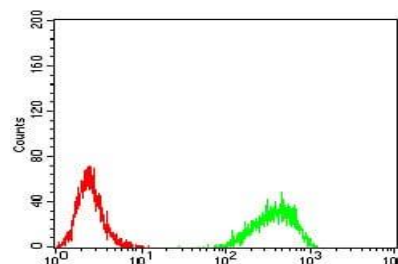
Isotype:

Mouse IgG2a

DATA:



Immunofluorescence analysis of HeLa cells using DNMT3B mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of K562 cells using DNMT3B mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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