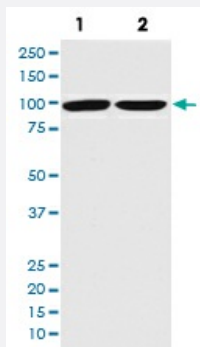


DNMT3B monoclonal antibody, clone FO-4

Catalog # MAB19985 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of (1) A549 cell lysate; (2) A431 cell lysate with DNMT3B monoclonal antibody.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human DNMT3B.

Immunogen A synthetic peptide corresponding to human DNMT3B.

Host Rabbit

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
Immunocytochemistry (1:50-1:200)
Immunofluorescence (1:50-1:200)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) A549 cell lysate; (2) A431 cell lysate with DNMT3B monoclonal antibody.

- Immunocytochemistry

- Immunofluorescence

Gene Info — DNMT3B

Entrez GeneID[1789](#)**Protein Accession#**[Q9UBC3](#)**Gene Name**

DNMT3B

Gene Alias

ICF, M.HsaIIIB

Gene Description

DNA (cytosine-5-)-methyltransferase 3 beta

Omim ID[242860 602900](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. Six alternatively spliced transcript variants have been described. The full length sequences of variants 4 and 5 have not been determined. [provided by RefSeq]

Other Designations

DNA MTase HsaIIIB|DNA cytosine-5 methyltransferase 3 beta|DNA methyltransferase HsaIIIB

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Alzheimer disease](#)
- [Arsenic Poisoning](#)
- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Cues](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)

- [Heart Neoplasms](#)
- [Infertility](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Microsatellite Instability](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Purpura](#)
- [Satiety Response](#)
- [Stomach Neoplasms](#)