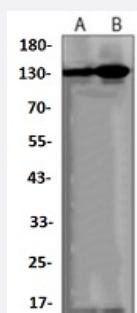


RecomAb™

DNMT3A recombinant monoclonal antibody

Catalog # RAB02588 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Hela (A), A549 (B) whole cell lysates with DNMT3A recombinant monoclonal antibody (Cat # RAB02588).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human DNMT3A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human DNMT3A.
Theoretical MW (kDa)	130
Reactivity	Human
Specificity	Recognizes endogenous levels of DNMT3A protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

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 Hela (A), A549 (B) whole cell lysates with DNMT3A recombinant monoclonal antibody (Cat # RAB02588).

Gene Info — DNMT3A

Entrez GeneID [1788](#)

Protein Accession# [Q9Y6K1](#)

Gene Name DNMT3A

Gene Alias DNMT3A2, M.HsaIIIA

Gene Description DNA (cytosine-5-)-methyltransferase 3 alpha

Omim ID [602769](#)

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 that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations DNA MTase HsaIIIA|DNA cytosine methyltransferase 3 alpha|DNA cytosine methyltransferase 3A2|DNA methyltransferase HsaIIIA|OTTHUMP00000120005|OTTHUMP00000120006

Pathway

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

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)