DNMT3A Assay Kit

Catalog # KA0683 Size 1 Kit

Specification

Product Description	DNMT3A Assay Kit is use for measuring the amount of DNMT3A.
Regulation Status	For research use only (RUO)
Storage Instruction	Store DA3 and DA5 at -20°C away from light. Store DA1, DA2, DA4, DA6, Blocking buffer and 8 well strips at 4°C away from light. Store other components at room temperature.

Applications

- Quantification

Gene Info — DNMT3A

Entrez GeneID	1788
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

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Other Designations	DNA MTase HsaIIIA|DNA cytosine methyltransferase 3 alpha|DNA cytosine methyltransferase 3A 2|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

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