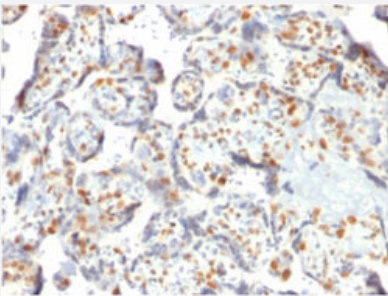


DNMT3A monoclonal antibody, clone PCRP-DNMT3A-1E2

Catalog # MAB20914 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with DNMT3A monoclonal antibody, clone PCRP-DNMT3A-1E2 (Cat # MAB20914).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human DNMT3A.
Immunogen	Recombinant protein corresponding to full length human DNMT3A.
Host	Mouse
Theoretical MW (kDa)	102
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Immunoprecipitation (2-4 ug/mg protein lysate) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with DNMT3A monoclonal antibody, clone PCRP-DNMT3A-1E2 (Cat # MAB20914).

- Immunoprecipitation

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](#)