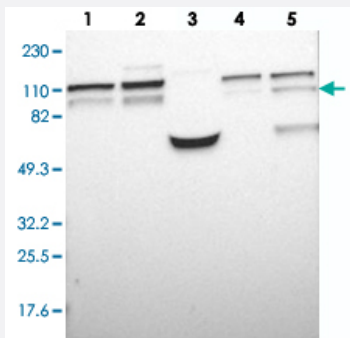


DNMT3B polyclonal antibody

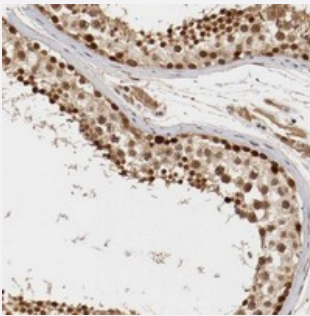
Catalog # PAB20073 Size 100 uL

Applications



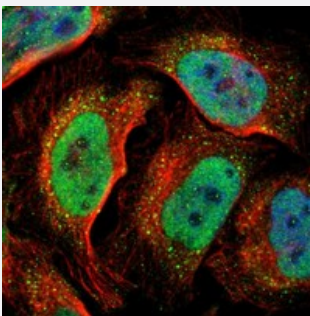
Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with DNMT3B polyclonal antibody (Cat # PAB20073) at 1:250-1:500 dilution.



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

Immunohistochemical staining of human testis with DNMT3B polyclonal antibody (Cat # PAB20073) shows strong nuclear positivity in cells of seminiferous ducts at 1:50-1:200 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with DNMT3B polyclonal antibody (Cat # PAB20073) at 1-4 ug/mL dilution shows positivity in nucleus but not nucleoli, vesicles.

Specification

Product Description

Rabbit polyclonal antibody raised against recombinant DNMT3B.

Immunogen

Recombinant protein corresponding to amino acids of human DNMT3B.

Sequence	MEPSPEPPSLESMTKGDTRHLNGEEDAGGREDSSILVNGACSDQSSDSPPILEAIRTPEIRGRSSS RLSKREVSSLLSYTQDLTGDDGDDGSDTPVMPKLFRETRTRSESPAVRTRNNNSVSSRER HRSPRSTRGRQGRNHVDES
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:250-1:500) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with DNMT3B polyclonal antibody (Cat # PAB20073) at 1:250-1:500 dilution.

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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](#)