

MaxPab®

DNMT3B purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001789-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human DNMT3B protein.
Immunogen	DNMT3B (AAI18503.1, 1 a.a. ~ 853 a.a) full-length human protein.
Sequence	MKGDTRHLNGEEDAGGREDSILVNGACSDQSSDSPPILEAIRTPAIRRRSSRLSKREVSSLLSY TQDLTGDDGEDGDGSDTPVMPKLFRETRTRSESPAVRTRNNNSVSSRERHRSPRSTRGRQG RNHVDESPVEFPATRLRRRATASAGTPWPSPPSSYLTDLTDDTEDTHGTPQSSSTPYARLAQD SQQGGMESPVQVEADSGDGSSEYQDGKEFGIGDLVWGKIKGFSWWPAMVVSWKATSKRQAM SGMRWVQWFGDGKFSEVSADKLVALGLFSQHFNLATFNKLVSYRKAMYHALEKARVRAGKTFP SSPGDSLEDQLKPMLEWAHGGFKPTGIEGLKPNNTQPVVNKSKVRRAGSRKLESRKYENKTRR RTADDSATSDYCPAPKRLKTNCYNNGKDRGEDQSQREQMASDVANNKSSLEDGCLSCGRKNP VSFHPLFEGGLCQTCRDRFLELFMYDDDDGYQSYCTVCCGRELLECSNTSCCRCFCVECLEVL VGTGTAAEAKLQEPWSCYMCLPQRCHGVLRRRKDWNVRLQAFFTSDTGLEYEAPKLYPAIPAAR RRPIRVLSLFDGIATGYLVLKLGLIKVGKYVASEVCEESIAVGTVKHGNIKYVNDVRNITKKNIEEW GPFDLVIGGSPCNDLSNVNPARKGLYEYGTGRLFFEFYHLLNYSRPKEGDDRPFFWMFENVVAMK VGDKRDISRFLECNPVMIDAIKVSAAHARYFWGNLPGMNRPVIAKNDKLELQDCLEYNRIAKLK KVQTITTKSNSIKQGKNQLFPVVMNGKEDVLWCTELERIFGFPVHYTDVSNMGRGARQKLLGRSW SVPVIRHLFAPLKDYFACE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (83)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — DNMT3B

Entrez GeneID [1789](#)

GeneBank Accession# [BC118502.1](#)

Protein Accession# [AAI18503.1](#)

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](#)