

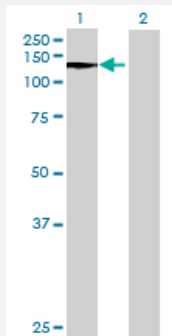
MaxPab®

DNMT3A MaxPab mouse polyclonal antibody (B01)

Catalog # H00001788-B01

Size 50 uL

Applications

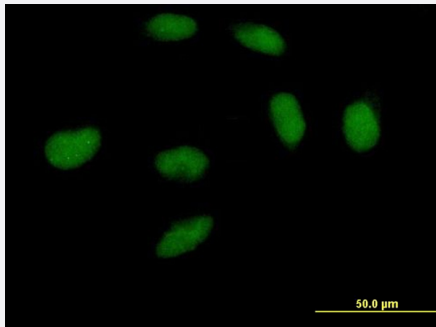


Western Blot (Transfected lysate)

Western Blot analysis of DNMT3A expression in transfected 293T cell line ([H00001788-T01](#)) by DNMT3A MaxPab polyclonal antibody.

Lane1:DNMT3A transfected lysate(100.32 KDa).

Lane2:Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DNMT3A on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human DNMT3A protein.

Immunogen

DNMT3A (NP_072046.2, 1 a.a. ~ 912 a.a) full-length human protein.

Sequence	MPAMPSSGPGDTSSSSAAEREEDRKDGEEQEEPRGKEERQEPSTTARKVGRPGRKRKHPPVES GDTPKDPAVISKSPSMAQDSGASELLPNGDLEKRSEPQPEEGSPAGGQKGGAPAEEGEGAAETL PEASRAVENGCCTPKEGRGAPAEAGKEQKETNIESMKMEGSRGRLRGGLGWESSLRQRPMPR LTFQAGDPYYISKRKDEWLARWKREAEKKAKVIAGMNAVEENQGPGESQKVVEASPPAVQQP TDPASPTVATTPEPVGSDAGDKNATKAGDDEPEYEDGRGFGIGELVWGKLRGFSWWPGRVSW WMTGRSRAAEGTRWVMWFGDGKFSVVCVEKLMLPLSSFCSAFHQATYNKQPMYRKAIYEV LQV ASSRAGKLFVCHDSDES DTAKAVEVQNKPMIEWALGGFQPSGPKGLEPPEEEKNPYKEVYTD MWVEPEAAAAYAPPPPAKKPRKSTAEKPKVKEIIDERTRERLVYEVQRKCRNIEDICISGSLNVTL EHPLFVGGMCQNCKNCFLECA YQYDDDGYSYCTICCGGREVLMCGNNNCCRCFCVECVDLLV GPGAAQAAIKEDPWNCYMC GHKGTYGLLRREDWPSRLQMFFANNHDQEFDP PKVYPPVPAE KRKPIRVLSLFDGIATGLLV LKDLGIQVDRIASEVCEDSITVGMVRHQGKIMYVGDVRSVTQKHIQE WGPFDLVIGGSPCNDLSVNPARKGLYEGTGRLFFEFYRLLHDARPKEGDDRPFFWL FENVVAM GVSDKRDISRFLESNPVMIDAKEVSAAH RARYFWGNLPGMNRPLASTVNDKLELQECLEHGRIAK FSKVRTITTRSNSIKQGKDQHFPVFMNEKEDILWCTEMERVFGFPVHYTDVSNMSRLARQRL LGR SWSVPVIRHLFAPLKEYFACV
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DNMT3A expression in transfected 293T cell line ([H00001788-T01](#)) by DNMT3A MaxPab polyclonal antibody.

Lane1:DNMT3A transfected lysate(100.32 KDa).

Lane2:Non-transfected lysate.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DNMT3A on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — DNMT3A

Entrez GeneID [1788](#)

GeneBank Accession#	NM_022552.3
Protein Accession#	NP_072046.2
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](#)