DNAxPAb | Hard-to-Find Antibody

DNMT3L DNAxPab

Catalog # H00029947-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DNMT3L DNA using DNAx™ Immune t echnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAAIPALDPEAEPSMDVILVGSSELSSSVSPGTGRDLIAYEVKANQRNIEDICICCGSLQVHTQHPL FEGGICAPCKDKFLDALFLYDDDGYQSYCSICCSGETLLICGNPDCTRCYCFECVDSLVGPGTSG KVHAMSNWVCYLCLPSSRSGLLQRRRKWRSQLKAFYDRESENPLEMFETVPVWRRQPVRVLSL FEDIKKELTSLGFLESGSDPGQLKHVVDVTDTVRKDVEEWGPFDLVYGATPPLGHTCDRPPSWY LFQFHRLLQYARPKPGSPGPFFWMFVDNLVLNKEDLDVASRFLEMEPVTIPDVHGGSLQNAVRV WSNIPAIRSRHWALVSEEELSLLAQNKQSSKLAAKWPTKLVKNCFLPLREYFKYFSTELTSSL
Host	Rabbit
Reactivity	Human
Purification	Protein A
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

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — DNMT3L

Entrez GeneID	29947
GeneBank Accession#	BC002560.2
Protein Accession#	AAH02560.1
Gene Name	DNMT3L
Gene Alias	MGC1090
Gene Description	DNA (cytosine-5-)-methyltransferase 3-like
Omim ID	606588
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 nuclear protein with similarity to DNA methyltransferases. This protein is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, this protein does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and it is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternative splicing results in two transcript variants. An additional splice variant has been described but its biological validity has not been determined. [provided by RefSeq
Other Designations	cytosine-5-methyltransferase 3-like protein|human cytosine-5-methyltransferase 3-like protein

Pathway

- Cysteine and methionine metabolism
- Metabolic pathways

Disease

- Genetic Predisposition to Disease
- Neoplasms

- Ovarian cancer
- Ovarian Neoplasms