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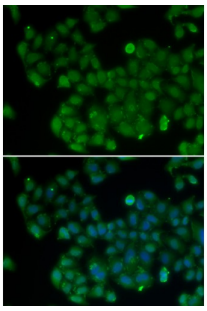
DATASHEET

DNA Methyltransferase 3 Like (DNMT3L) Antibody

Catalogue No.:abx001899



Immunofluorescence analysis of U2OS cells using DNMT3L antibody (abx001899).

DNMT3L Antibody is a Rabbit Polyclonal antibody against DNMT3L. 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, but is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, it does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Target:	DNMT3L
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	IF/ICC
Recommended dilutions:	IF/ICC: 1/20 - 1/50. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human DNMT3L.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

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Molecular Weight: Calculated MW: 43 kDa

Swiss Prot: Q9UJW3

GeneID: 29947

Gene Symbol: DNMT3L

Concentration: > 1 mg/ml

Buffer: PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

Note: This product is for research use only.