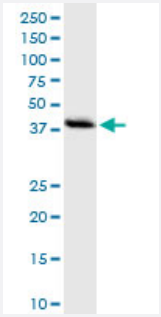
DNMT3L (Human) IP-WB Antibody Pair

Catalog # H00029947-PW2 Size 1 Set

Applications



Immunoprecipitation of DNMT3L transfected lysate using rabbit polyclonal anti-DNMT3L and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-DNMT3L.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of DNMT3L transfected lysate using rabbit polyclonal anti-DNMT3L and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-DNMT3L.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-DNMT3L (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-DNMT3L (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

Protocol Download

Gene Info — DNMT3L

Entrez GeneID	29947
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