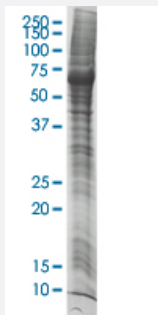


DNMT2 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

Catalog # L075T6

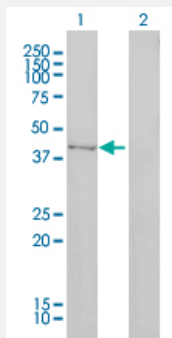
Size 100 ug

Applications



SDS-PAGE Gel

DNMT2 transfected lysate



Western Blot

Lane 1: DNMT2 transfected lysate (45 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-DNMT2 full length
Host	Human
Theoretical MW (kDa)	45
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-DNMT2 antibody ([H00001787-M01](#)) by Western Blots.
SDS-PAGE Gel
DNMT2 transfected lysate
Western Blot
Lane 1: DNMT2 transfected lysate (45 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — TRDMT1

Entrez GeneID [1787](#)

GeneBank Accession# [BC047733](#)

Protein Accession# [AAH47733](#)

Gene Name TRDMT1

Gene Alias DNMT2, M.HsaIIP, PuMet, RNMT1

Gene Description tRNA aspartic acid methyltransferase 1

Omim ID [602478](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a protein responsible for the methylation of aspartic acid transfer RNA. While similar in sequence and structure to DNA cytosine methyltransferases, this gene is distinct and highly conserved in its function among taxa. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

DNA (cytosine-5-)-methyltransferase 2|DNA MTase homolog Hsa|IP|DNA methyltransferase homolog Hsa|IP|DNA methyltransferase-2|OTTHUMP00000019228|OTTHUMP00000045198|tRNA aspartic acid methyltransferase 1 variant 1|tRNA aspartic acid methyltransferase 1 varia

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Alzheimer disease](#)
- [Carcinoma](#)
- [Cerebral Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Spinal Dysraphism](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)