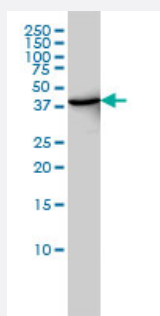


DNMT2 monoclonal antibody (M01), clone 1E12

Catalog # H00001787-M01

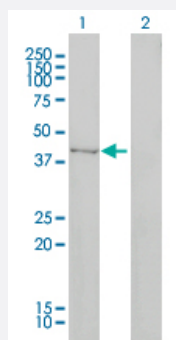
Size 100 ug

Applications



Western Blot (Cell lysate)

DNMT2 monoclonal antibody (M01), clone 1E12 Western Blot analysis of DNMT2 expression in HeLa S3 NE (Cat # L013V3).

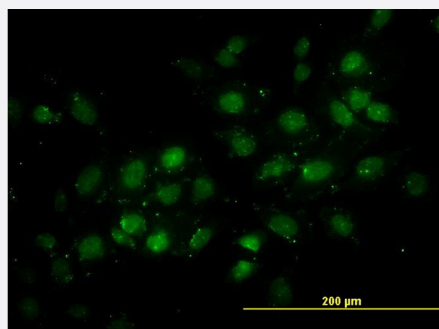


Western Blot (Transfected lysate)

Western Blot analysis of DNMT2 expression in transfected 293T cell line by DNMT2 monoclonal antibody (M01), clone 1E12.

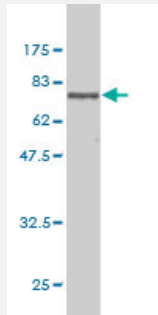
Lane 1: DNMT2 transfected lysate(45 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of monoclonal antibody to DNMT2 on HeLa cell. [antibody concentration 40 ug/ml]



Western Blot detection against Immunogen (68.75 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant DNMT2.
Immunogen	DNMT2 (AAH47733, 1 a.a. ~ 391 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEPLRVLELYSGVGGMHHALRESCIPAQVVAIDVNTVANEVYKYNFHTQLLAKTIEGITLEEFDR LSFDMILMSPPCQPFTRIGRQGDMTDSRTNSFLYILDILPRLQKLPKYILLENVKGFEVSSTRDLLIQT IENCGFYQEFLLSPTSLGIPNSRLRYFLIAKLQSEPLPFQAPGQVLMEFPKIESVHPQKYAMDVEE KIQEKNVEPNISFDGSIQCSGKDAILFKLETAEIHRKNQQSDLSVKMLKDFLEDDTDVNQYLLPP KSLRLYALLLDIVQPTCRRSVCFTKGYGSYIEGTGSVLQTAEDVQVENYKSLTNLSQEEQITKLLILK LRYFTPKEIANLLGFPPEFGFPEKITVKQRYRLLGNLNVHVVAKLKILYE
Host	Mouse
Reactivity	Human
Isotype	IgG1 lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (68.75 KDa) .
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 (Cell lysate)

DNMT2 monoclonal antibody (M01), clone 1E12 Western Blot analysis of DNMT2 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of DNMT2 expression in transfected 293T cell line by DNMT2 monoclonal antibody (M01), clone 1E12.

Lane 1: DNMT2 transfected lysate(45 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to DNMT2 on HeLa cell. [antibody concentration 40 ug/ml]

Gene Info — TRDMT1

Entrez GeneID [1787](#)

GeneBank Accession# [BC047733](#)

Protein Accession# [AAH47733](#)

Gene Name TRDMT1

Gene Alias DNMT2, M.HsaIIIP, 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 HsaIIIP|DNA methyltransferase homolog HsaIIIP|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](#)