10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DNA Methyltransferase 2 (Clone 102B1259.2) Antibody
Mouse Monoclonal Antibody
Catalog # ABV11109

Specification

DNA Methyltransferase 2 (Clone 102B1259.2) Antibody - Product Information

Application	**WB**
Primary Accession	O55055
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG1κ**
Calculated MW	**46794**

DNA Methyltransferase 2 (Clone 102B1259.2) Antibody - Additional Information

Gene ID 13434

Positive Control	**Western blot: DNMT2 transfected cell lysate**
Application & Usage	**Western blot: 1-3 µg/ml. However, the optimal conditions should be determined individually.**

Other Names
DNMT2

Target/Specificity
DNMT2

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
50 µg of antibody in 100 µl PBS containing 0.2% gelatin and 0.05% sodium azide.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
DNA Methyltransferase 2 (Clone 102B1259.2) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DNA Methyltransferase 2 (Clone 102B1259.2) Antibody - Protein Information

Name Trdmt1

Synonyms Dnmt2 {ECO:0000303|PubMed:16424344}, Met

Function
Specifically methylates cytosine 38 in the anticodon loop of tRNA(Asp).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:O14717}.

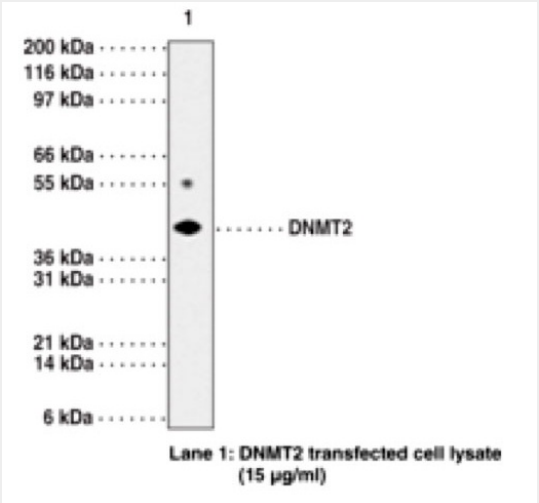
Tissue Location
Highly expressed in thymus, testis, and at much lower levels in spleen, lung, brain, heart, kidney, liver, skeletal muscle and embryonic stem cells.

DNA Methyltransferase 2 (Clone 102B1259.2) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DNA Methyltransferase 2 (Clone 102B1259.2) Antibody - Images



Lane1: DNMT2 transfected cell lysate（15µg/ml）

DNA Methyltransferase 2 (Clone 102B1259.2) Antibody - Background

Methylation of DNA at cytosine residues plays an important role in regulation of gene expression,

genomic imprinting and is essential for mammalian development. DNMT2 is expressed at low levels in adult tissues and its inactivation does not affect DNA methylation or maintenance of methylation. DNMT2 contains all the sequence motifs diagnostic of DNA (cytosine-5)-methyltransferases but appears to lack the large N-terminal regulatory domain common to other eukaryotic methyltransferases.