

Product datasheet for **TA336596**

Dnmt2 (TRDMT1) Mouse Monoclonal Antibody [Clone ID: 102B1259.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	102B1259.2
Applications:	FC, WB
Recommended Dilution:	Western Blot: 1:100-1:2000, Flow Cytometry: 1-5 ug/ml
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised against synthetic peptides corresponding to mouse Dnmt2.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tRNA aspartic acid methyltransferase 1
Database Link:	NP_004403 Entrez Gene 13434 Mouse Q14717
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.
Synonyms:	DMNT2; DNMT2; MHSIIP; PUMET; RNMT1

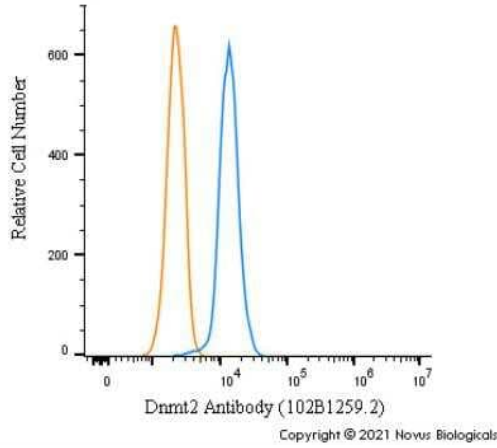


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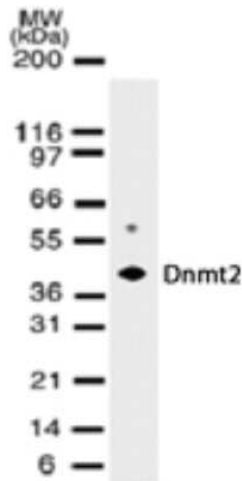
Protein Families: Druggable Genome

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways

Product images:



Flow Cytometry: Dnmt2 Antibody (102B1259.2) TA336596 - An intracellular stain was performed on Jurkat cells with Dnmt2 Antibody [102B1259.2] TA336596 (blue) and a matched isotype control MAB002 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1.0 ug/mL for 30 minutes at room temperature, followed by Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (35503, Thermo Fisher).



Western Blot: Dnmt2 Antibody (102B1259.2) TA336596 - Analysis of Dnmt2 in transfected cell lysate using Dnmt2 monoclonal antibody at 2 ug/ml.