

# Product Datasheet

## Dnmt2 Antibody (102B1259.2) - BSA Free NB200-587

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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**NB200-587**

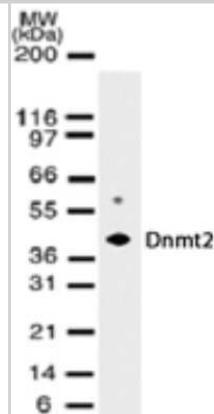
Dnmt2 Antibody (102B1259.2) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	102B1259.2
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS containing 0.2% gelatin
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	1787
<b>Gene Symbol</b>	TRDMT1
<b>Species</b>	Human, Mouse, Zebrafish
<b>Reactivity Notes</b>	Zebrafish reactivity reported in scientific literature (PMID: 17289917).
<b>Specificity/Sensitivity</b>	In mouse Dnmt2 transfected cell lysate, a 42 kDa band is observed.
<b>Immunogen</b>	This antibody was raised against synthetic peptides corresponding to mouse Dnmt2.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry
<b>Recommended Dilutions</b>	Western Blot 1:100-1:2000, Flow Cytometry 1-5 ug/ml

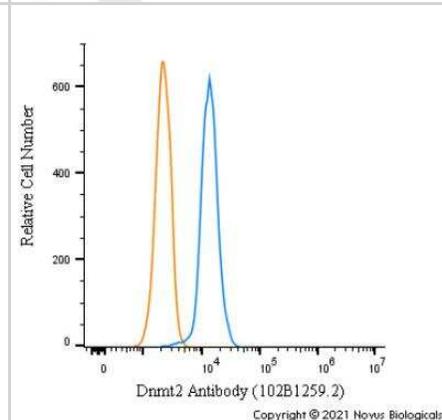


## Images

Western Blot: Dnmt2 Antibody (102B1259.2) [NB200-587] - Analysis of Dnmt2 in transfected cell lysate using Dnmt2 monoclonal antibody at 2 ug/ml.



Flow Cytometry: Dnmt2 Antibody (102B1259.2) [NB200-587] - An intracellular stain was performed on Jurkat cells with Dnmt2 Antibody [102B1259.2] NB200-587 (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).



## Publications

Liu L, Chen Z, Zhang K et al. NSUN2 mediates distinct pathways to regulate enterovirus 71 replication *Virology* 2024-05-18 [PMID: 38768712]

Su ZY, Zhang C, Lee JH et al. Requirement and Epigenetics Reprogramming of Nrf2 in Suppression of Tumor Promoter TPA-Induced Mouse Skin Cell Transformation by Sulforaphane. *Cancer Prev Res (Phila)*. 2014-03-01 [PMID: 24441674] (WB, Mouse)

Details:

JB6 P+ mouse epidermal cells, Fig 6.

Rai K, Chidester S, Zavala CV et al. Dnmt2 functions in the cytoplasm to promote liver, brain, and retina development in zebrafish. *Genes Dev*. 2007-02-01 [PMID: 17289917] (WB, Zebrafish)

Details:

WB (zebrafish embryos), Fig. 2.



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### **Products Related to NB200-587**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB200-587APC	Dnmt2 Antibody (102B1259.2) [Allophycocyanin]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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