

**bs-0678R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

www.bioss.com.cn

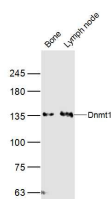
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**Dnmt1 Rabbit pAb****DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Chicken, Dog, Horse)
<b>GeneID:</b> 1786	<b>SWISS:</b> P26358	<b>Predicted MW.:</b> 178 kDa
<b>Target:</b> Dnmt1		<b>Subcellular Location:</b> Nucleus
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Dnmt1: 21-120/1616.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008].		

**VALIDATION IMAGES**

Sample: Bone (Mouse) Lysate at 40 ug Lymph node(Rat) Lysate at 40 ug  
Primary: Anti- Dnmt1 (bs-0678R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 178kD Observed band size: 144 kD

**SELECTED CITATIONS**

- **[IF=12.2]** Li Mou. et al. GRP78/IRE1 and cGAS/STING pathway crosstalk through CHOP facilitates iodoacetic acid-mediated testosterone decline. J HAZARD MATER. 2024 Sep;476:135101 WB ;Rat. 39002476
- **[IF=11.3]** Xu Wenjing. et al. Icaritin-curcumin activates CD8+ T cells through regulation of gut microbiota and the DNMT1/IGFBP2 axis to suppress the development of prostate cancer. J EXP CLIN CANC RES. 2024 Dec;43(1):1-20 IHC ;Mouse. 38778379
- **[IF=6.63]** Khan, Md Asaduzzaman, et al. "Thymoquinone inhibits cancer metastasis by downregulating TWIST1 expression to reduce epithelial to mesenchymal transition." Oncotarget. WB ;Human. 26023736
- **[IF=6.8]** Ruimeng Liu. et al. Protective role of curcumin on broiler liver by modulating aflatoxin B1-induced DNA methylation and CYPs expression. ECOTOX ENVIRON SAFE. 2023 Jul;260:115086 WB ;Chicken. 37269612
- **[IF=3.699]** Xiao-Tan Zhang . et al. Baicalin reversal of DNA hypermethylation-associated Klotho suppression ameliorates renal injury in type 1 diabetic mouse model. Cell Cycle. 2020;19(23):3329-3347 WB ;Mouse. 33190590

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.