# abcam

# **Product datasheet**

# Anti-Dnmt1 antibody [2C1] ab252825

<u>1 References</u> 2 图像

存储溶液

概述			
产品名称	Anti-Dnmt1 <b>抗体</b> [2C1]		
描述	大鼠单克隆抗体[2C1] to Dnmt1		
宿主	Rat		
经测试应 <b>用</b>	适用于:WB 不适用于:IP		
<b>种属反</b> 应性	与反应: Human		
免疫原	Recombinant fragment within Human Dnmt1 aa 1 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <u>contact</u> our Scientific Support team to discuss your requirements. Database link: <u>P26358</u>		
	In the second		
<b>阳性</b> 对照	WB: NCI-H1299, HEK-293, HeLa, Jurkat and HepG2 whole cell lysate.		
<b>常</b> 规说 <b>明</b>	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.		
	This product is a recombinant monoclonal antibody, which offers several advantages including:		
	<ul> <li>High batch-to-batch consistency and reproducibility</li> <li>Improved sensitivity and specificity</li> <li>Long-term security of supply</li> <li>Animal-free production</li> <li>For more information <u>see here</u>.</li> </ul>		
性能			
形式	Liquid		
存 <b>放</b> 说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.		

pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)

纯 <b>度</b>	Protein A purified
克隆	单 <b>克隆</b>
<b>克隆</b> 编号	2C1
同种型	lgG2b

应用

## The Abpromise guarantee Abpromise™承诺保证使用ab252825于以下的经测试应用

"应用说明"部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明	
WB		Use a concentration of 0.353 µg/ml. Detects a band of approximately 183 kDa (predicted molecular weight: 183 kDa).	
应用说明	Is unsuitable for IP.		
<b>靶</b> 标			
功能	Methylates CpG residues. Preferentially methylates hemimethylated DNA. Associates with DNA replication sites in S phase maintaining the methylation pattern in the newly synthesized strand, that is essential for epigenetic inheritance. Associates with chromatin during G2 and M phases to maintain DNA methylation independently of replication. It is responsible for maintaining methylation patterns established in development. DNA methylation is coordinated with methylation of histones. Mediates transcriptional repression by direct binding to HDAC2. In association with DNMT3B and via the recruitment of CTCFL/BORIS, involved in activation of BAG1 gene expression by modulating dimethylation of promoter histone H3 at H3K4 and H3K9.		
组织 <b>特异性</b>	Ubiquitous; highly expressed in fetal tissues, heart, kidney, placenta, peripheral blood mononuclear cells, and expressed at lower levels in spleen, lung, brain, small intestine, colon, liver, and skeletal muscle. lsoform 2 is less expressed than isoform 1.		
序列相似性	Belongs to the C5-methyltransferase family. Contains 2 BAH domains. Contains 1 CXXC-type zinc finger.		
结 <b>构域</b>	The N-terminal part is required for homodimerization and acts as a regulatory domain.		
<b>翻</b> 译后修饰	Sumoylated; sumoylation increases activity.		
细 <b>胞定位</b>	Nucleus.		

图片



(ab252825)

All lanes : Anti-Dnmt1 antibody [2C1] (ab252825) at 0.353 µg/ml

Lane 1 : NCI-H1299 (human lung carcinoma epithelial cell), whole cell lysate

Lane 2 : HEK-293 (human embryonic kidney epithelial cell), whole cell lysate

Lane 3 : HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

Lane 4 : Jurkat (human T cell leukemia T lymphocyte), whole cell lysate

Lane 5 : HepG2 (human hepatocellular carcinoma epithelial cell), whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

All lanes : Goat Anti-Rat IgG H&L (HRP) (<u>ab205720</u>) at 1/100000 dilution

Predicted band size: 183 kDa

Exposure time: 1 second

Blocking/Dilution buffer: 5% NFDM/TBST.

Why choose  $\alpha$ recombinant antibody? Research with Long-term and confidence scalable supply Consistent and Recombinant reproducible results technology Success from the Ethical standards first experiment compliant Confirmed Animal-free specificity production

Anti-Dnmt1 antibody [2C1] (ab252825)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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