

Anti-Dnmt3a antibody ab2850

★★★★★ [11 Abreviews](#) [114 References](#) [画像数 3](#)

製品の概要

製品名	Anti-Dnmt3a antibody
製品の詳細	Rabbit polyclonal to Dnmt3a
由来種	Rabbit
特異性	This antibody detects DNA methyltransferase 3a (Dnmt3a) from human and mouse tissues and cells as well as recombinant human Dnmt3a. This antibody does not detect full length recombinant human Dnmt3b or Dnmt1.
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide corresponding to Human Dnmt3a aa 50-150. Run BLAST with ExPASy Run BLAST with NCBI
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

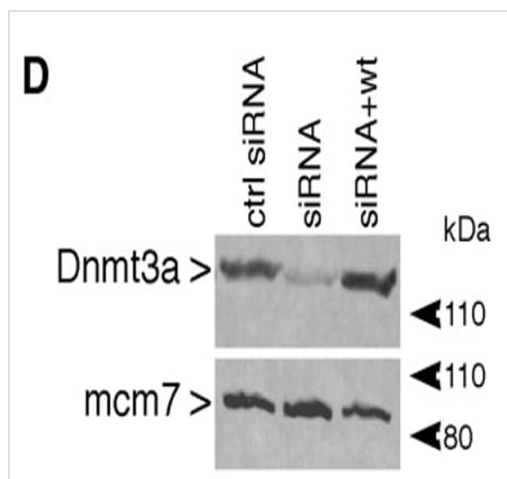
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab2850の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (4)	Use a concentration of 2 µg/ml. Detects a band of approximately 120 kDa (predicted molecular weight: 101.5 kDa).

ターゲット情報

機能	Required for genome wide de novo methylation and is essential for the establishment of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. It modifies DNA in a non-processive manner and also methylates non-CpG sites. May preferentially methylate DNA linker between 2 nucleosomal cores and is inhibited by histone H1. Plays a role in paternal and maternal imprinting. Required for methylation of most imprinted loci in germ cells. Acts as a transcriptional corepressor for ZNF238. Can actively repress transcription through the recruitment of HDAC activity.
組織特異性	Highly expressed in fetal tissues, skeletal muscle, heart, peripheral blood mononuclear cells, kidney, and at lower levels in placenta, brain, liver, colon, spleen, small intestine and lung.
配列類似性	Belongs to the C5-methyltransferase family. Contains 1 ADD domain. Contains 1 GATA-type zinc finger. Contains 1 PHD-type zinc finger. Contains 1 PWWP domain.
ドメイン	The PWWP domain is essential for targeting to pericentric heterochromatin.
翻訳後修飾	Sumoylated; sumoylation disrupts the ability to interact with histone deacetylases (HDAC1 and HDAC2) and repress transcription.
細胞内局在	Nucleus. Cytoplasm. Accumulates in the major satellite repeats at pericentric heterochromatin.

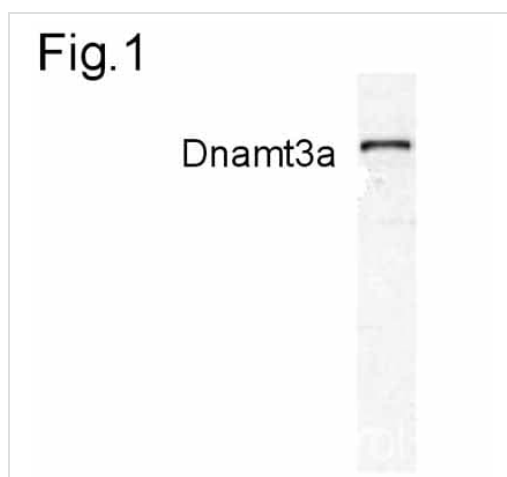
画像



Western blot - Anti-Dnmt3a antibody (ab2850)

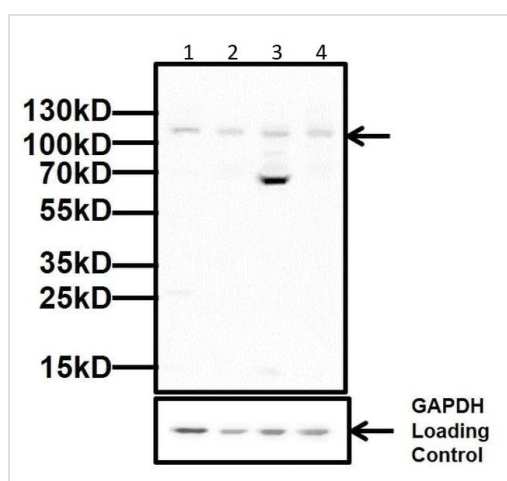
Image from Nucleic Acids Res. 2014 Jan; 42(2): 804–821. Fig 5D, doi: 10.1093/nar/gkt920 Reproduced under the creative commons licence.
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Western blot analysis of DNMT3a in HeLa silenced cells. Total cell extracts were prepared 48 h after electroporation and analyzed by immunoblot with ab2850.



Western blot - Anti-Dnmt3a antibody (ab2850)

Western blot of Dnmt3a on P19 cell nuclear extract using ab2850.



Western blot - Anti-Dnmt3a antibody (ab2850)

All lanes : Anti-Dnmt3a antibody (ab2850) at 1/500 dilution

Lane 1 : HeLa cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : HEK293 cell lysate

Lane 4 : A549 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG (H+L), Superclonal™ HRP at 1/1000 dilution

Predicted band size: 101.5 kDa

Observed band size: 120 kDa

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