

# Anti-Dnmt3a antibody ab16704

**7 References**   [画像数 2](#)

### 製品の概要

製品名	Anti-Dnmt3a antibody
製品の詳細	Rabbit polyclonal to Dnmt3a
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P, ICC
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide, corresponding to amino acids 10-118 of Human Dnmt3a.
ポジティブ・コントロール	ICC: Ntera-2 whole cell lysate. IHC-P: Human testis tissue
特記事項	<p>It is strongly suggested that Sodium Azide is added to this stock upon thawing and storage at 4 degrees C.</p> <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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Constituent: Whole serum
精製度	Whole antiserum
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

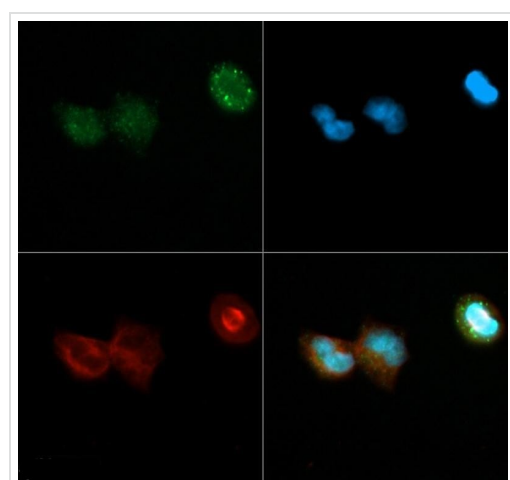
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/200.
ICC		1/500.

## ターゲット情報

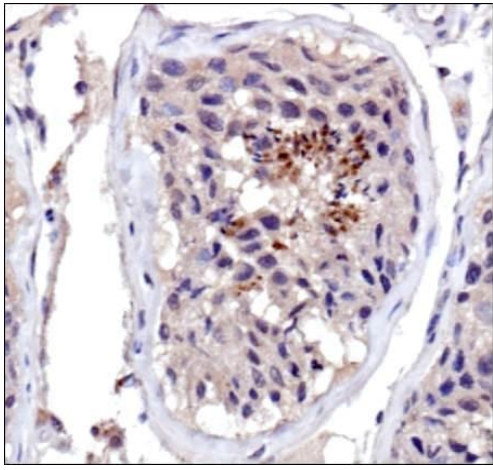
機能	Required for genome wide de novo methylation and is essential for the establishment of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. It modifies DNA in a non-processive manner and also methylates non-CpG sites. May preferentially methylate 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



Immunocytochemistry analysis of Ntera-2 cells labeling Dnmt3a with ab16704 followed by Dylight 488 (green). Nuclei and beta-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).

Immunocytochemistry - Anti-Dnmt3a antibody  
(ab16704)



Immunohistochemistry analysis of human testis labeling Dnmt3a with ab16704 at 1/200. Hematoxylin was used as counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dnmt3a antibody (ab16704)

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

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