

## Product datasheet

# Anti-Dnmt3a antibody ab4897

★★★★☆ 3 Abreviews 3 References 2 图像

### 概述

产品名称	Anti-Dnmt3a抗体
描述	兔多克隆抗体to Dnmt3a
经测试应用	适用于: ICC/IF, IHC-P, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Chicken
免疫原	Synthetic peptide corresponding to Human Dnmt3a aa 457-486 conjugated to Keyhole Limpet Haemocyanin (KLH).
阳性对照	WB: T247-D cell lysate. IHC-P: Human hepatocarcinoma tissue.

### 性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Ammonium Sulphate Precipitation
纯化说明	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab4897** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

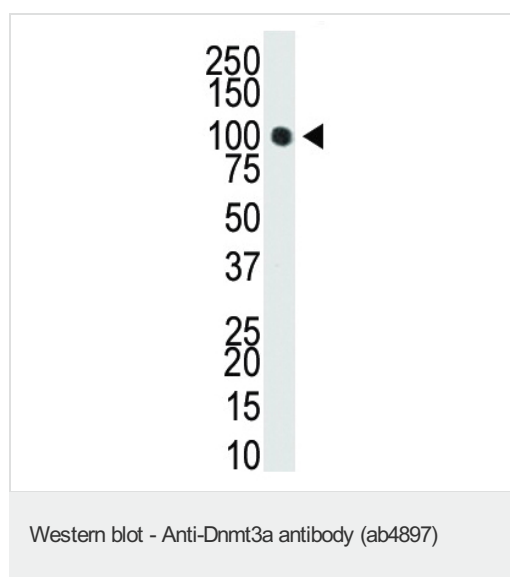
应用	Ab评论	说明
ICC/IF	★★★★☆	1/400.

应用	Ab评论	说明
IHC-P		1/50 - 1/100.
WB		1/1000. Detects a band of approximately 101 kDa.

## 靶标

<b>功能</b>	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.
<b>组织特异性</b>	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.
<b>序列相似性</b>	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.
<b>结构域</b>	The PWWP domain is essential for targeting to pericentric heterochromatin.
<b>翻译后修饰</b>	Sumoylated; sumoylation disrupts the ability to interact with histone deacetylases (HDAC1 and HDAC2) and repress transcription.
<b>细胞定位</b>	Nucleus. Cytoplasm. Accumulates in the major satellite repeats at pericentric heterochromatin.

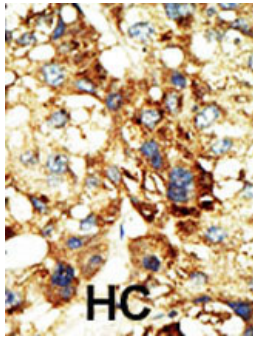
## 图片



Anti-Dnmt3a antibody (ab4897) + T47-D cell lysate

### Secondary

HRP-conjugated anti-rabbit IgG



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human hepatocarcinoma tissue labelling Dnmt3a with ab4897.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Dnmt3a antibody (ab4897)

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