

Product datasheet

Anti-Dnmt3a antibody [64B814] ab13887

1 References 1 图像

概述

产品名称	Anti-Dnmt3a抗体[64B814]
描述	小鼠单克隆抗体[64B814] to Dnmt3a
经测试应用	适用于: WB, ICC/IF, ICC
种属反应性	与反应: Mouse, Human
免疫原	Bacteria expressed HIS-tag recombinant mouse Dnmt3a.
阳性对照	293 cell lysate.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	64B814
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab13887** in the following tested applications.

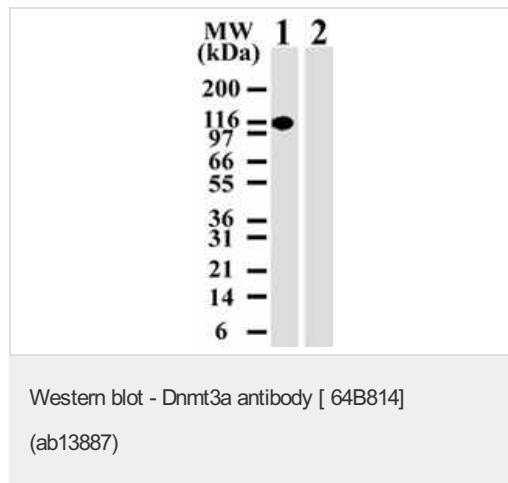
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use a concentration of 2 µg/ml. Detects a band of approximately 102 kDa (predicted molecular weight: 102 kDa).
ICC/IF		Use at an assay dependent dilution.
ICC		Use at an assay dependent dilution.

靶标

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

图片



Predicted band size : 102 kDa

Western blot analysis for Dnmt3a using ab13887 at 2 ug/ml against 10 ug of 293 cell lysate transfected with either mouse Dnmt3a (lane 1) or mouse Dnmt3b (lane 2).

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