

### Anti-PRDM16 antibody ab106410

★★★★★ [9 Abreviews](#) [69 References](#) [4 图像](#)

#### 概述

产品名称	Anti-PRDM16抗体
描述	兔多克隆抗体to PRDM16
宿主	Rabbit
特异性	At least four isoforms of PRDM16 are known to exist; ab106410 will recognize all four.
经测试应用	<b>适用于:</b> ICC, IHC-P, WB
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide corresponding to Human PRDM16 (C terminal). The immunogen is located within amino acids 1120 - 1170 of PRDM16. Database link: <a href="#">Q9HAZ2</a>
阳性对照	WB: K562 cell lysate IHC-P: Human brain tissue ICC: Human brain cells
常规说明	<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>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at +4°C.
存储溶液	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

## The Abpromise guarantee

**Abpromise™**承诺保证使用ab106410于以下的经测试应用

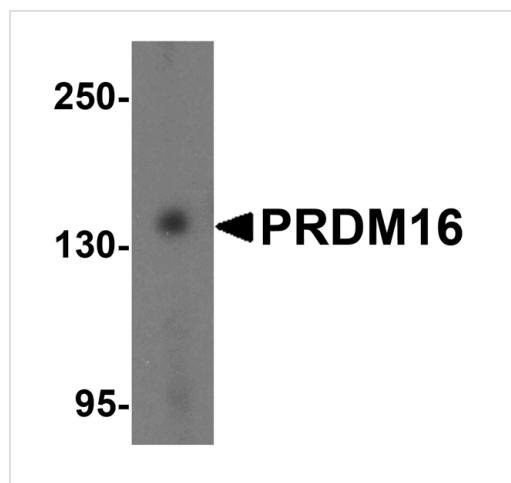
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC		Use a concentration of 20 µg/ml.
IHC-P	★★★★★ (3)	Use a concentration of 2 µg/ml.
WB	★★★★★ (3)	Use a concentration of 1 µg/ml. Predicted molecular weight: 140 kDa.

## 靶标

功能	Binds DNA and functions as a transcriptional regulator. Functions in the differentiation of brown adipose tissue (BAT) which is specialized in dissipating chemical energy in the form of heat in response to cold or excess feeding while white adipose tissue (WAT) is specialized in the storage of excess energy and the control of systemic metabolism. Together with CEBPB, regulates the differentiation of myoblastic precursors into brown adipose cells. Functions also as a repressor of TGF-beta signaling. Isoform 4 may regulate granulocytes differentiation.
组织特异性	Expressed in uterus and kidney.
疾病相关	Note=A chromosomal aberration involving PRDM16 is found in myelodysplastic syndrome (MDS) and acute myeloid leukemia (AML). Reciprocal translocation t(1;3)(p36;q21). Isoform 4 is specifically expressed in adult T-cell leukemia.
序列相似性	Contains 10 C2H2-type zinc fingers. Contains 1 SET domain.
细胞定位	Nucleus.

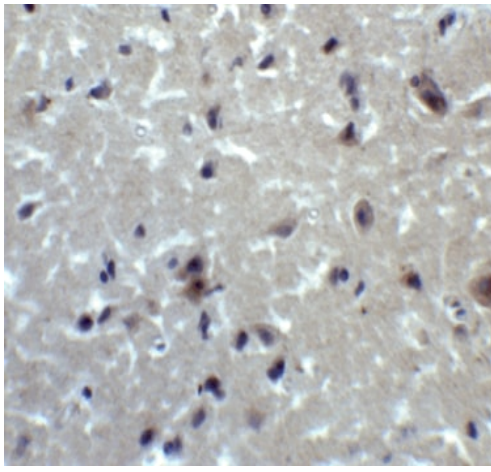
## 图片



Anti-PRDM16 antibody (ab106410) at 1 µg/ml + K562 (human chronic myelogenous leukemia cell line from bone marrow) cell lysate

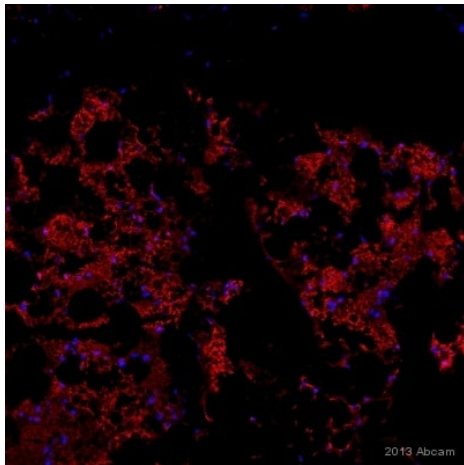
**Predicted band size:** 140 kDa

Western blot - Anti-PRDM16 antibody (ab106410)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRDM16 antibody (ab106410)

Paraffin-embedded human brain tissue stained for PRDM16 using ab106410 at 2 µg/ml in immunohistochemical analysis.



Immunocytochemistry - Anti-PRDM16 antibody (ab106410)

Image is courtesy of an Abreview submitted by Lena Appelsved

ab106410 staining RAP1 in Human Brown adipocytes from supraclavicular fat tissue by ICC (Immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.3% Triton X-100 and blocked with 10% serum, 1% BSA for 1 hour at 22°C. Samples were incubated with primary antibody (2 µg/ml in 10% serum, 1% BSA, 0.3% Triton X100, PBS) for 16 hours at 4°C. A Cy3®-conjugated Donkey F(ab')<sub>2</sub> anti-rabbit IgG polyclonal (1/500) was used as the secondary antibody.

Immunocytochemistry - Anti-PRDM16 antibody (ab106410)

Immunocytochemical analysis of PRDM16 in Human Brain cells using ab106410 at 20 µg/ml.

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

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