

Anti-PRDM1/Blimp1 antibody [EPR25163-80] ab307644

重组 RabMAb

5 图像

概述

| | |
|-------|--|
| 产品名称 | Anti-PRDM1/Blimp1抗体[EPR25163-80] |
| 描述 | 兔单克隆抗体[EPR25163-80] to PRDM1/Blimp1 |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: WB, IHC-P, IP 不适用于: Flow Cyt (Intra) or ICC/IF |
| 种属反应性 | 与反应: Human |
| 免疫原 | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | WB: SR lysates IHC-P: Human tonsil tissues. IP: SR cell |
| 常规说明 | This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . |

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 long term. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS |
| 纯度 | Protein A purified |
| 克隆 | 单克隆 |
| 克隆编号 | EPR25163-80 |
| 同种型 | IgG |

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab307644 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 |
|-------|------|---|
| WB | | 1/1000. Predicted molecular weight: 100 kDa. |
| IHC-P | | 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| IP | | 1/30. |

应用说明

Is unsuitable for Flow Cyt (Intra) or ICC/IF.

靶标

功能

Transcriptional repressor that binds specifically to the PRDI element in the promoter of the beta-interferon gene (PubMed:1851123). Drives the maturation of B-lymphocytes into Ig secreting cells (PubMed:12626569).

序列相似性

Belongs to the class V-like SAM-binding methyltransferase superfamily.
Contains 4 C2H2-type zinc fingers.
Contains 1 SET domain.

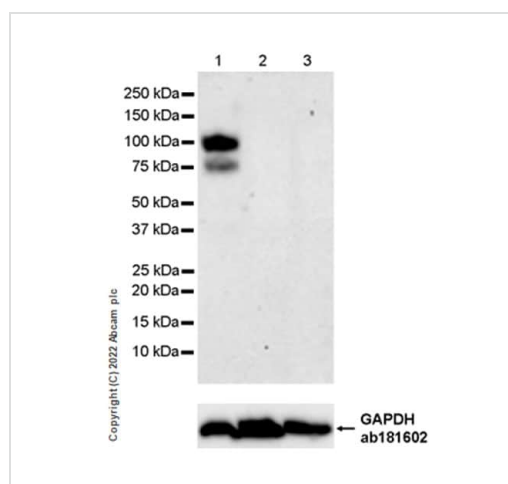
翻译后修饰

Sumoylation at Lys-816 by PIAS1 augments transcriptional repressor activity, and is critical for plasma cell differentiation.
Ubiquitinated by the SCF(FBXO11) complex, leading to its degradation by the proteasome.

细胞定位

Nucleus. Cytoplasm.

图片



Western blot - Anti-PRDM1/Blimp1 antibody [EPR25163-80] (ab307644)

All lanes : Anti-PRDM1/Blimp1 antibody [EPR25163-80] (ab307644) at 1/1000 dilution

Lane 1 : SR (human pleural effusion lymphoblast) whole cell lysate
Lane 2 : Raji (human burkitts lymphoma b lymphocyte) whole cell lysate

Lane 3 : NAMALWA (human burkitts lymphoma b lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20000 dilution

Predicted band size: 100 kDa

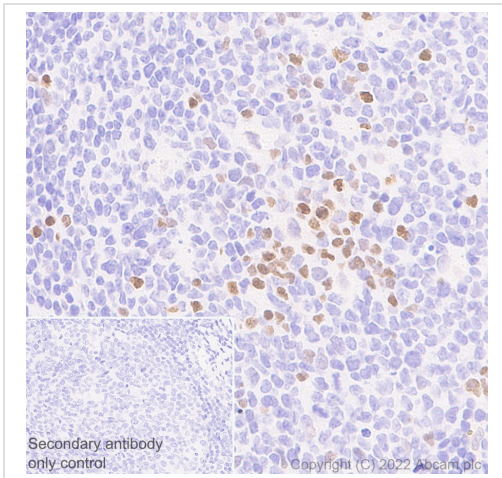
Observed band size: 100 kDa

Blocking and diluting buffer and concentration: 5% NFDN/TBST

Negative control: Raji, NAMALWA (PMID: 28842558).

Lysates were freshly made and used for Western blotting immediately to minimize protein degradation.

Exposure time: 180 seconds

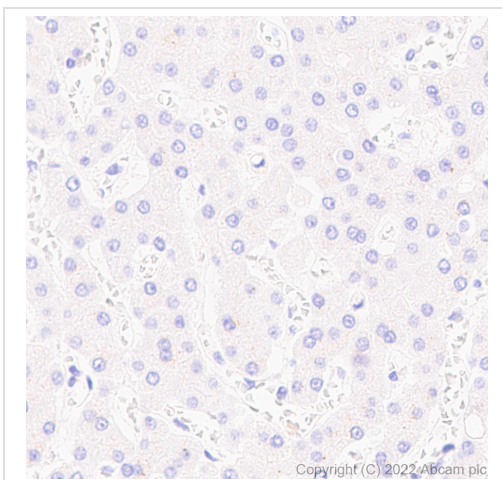


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRDM1/Blimp1 antibody [EPR25163-80] (ab307644)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling PRDM1/Blimp1 with ab307644 at 1/500 (0.924 ug/ml) followed by a LeicaDS9800 (Bond™ Polymer Refine Detection) at Ready to use dilution. Nuclear staining on human tonsil (PMID: 24438193). The section was incubated with ab307644 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is LeicaDS9800 (Bond™ Polymer Refine Detection) at Ready to use dilution.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

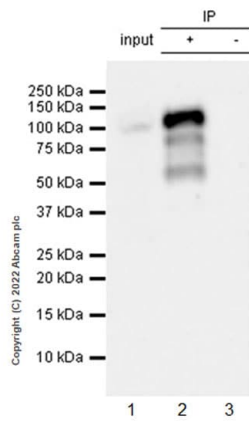


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRDM1/Blimp1 antibody [EPR25163-80] (ab307644)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling PRDM1/Blimp1 with ab307644 at 1/500 (0.924 ug/ml) followed by a LeicaDS9800 (Bond™ Polymer Refine Detection) at Ready to use dilution. Negative control: No staining on human liver. The section was incubated with ab307644 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is LeicaDS9800 (Bond™ Polymer Refine Detection) at Ready to use dilution.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunoprecipitation - Anti-PRDM1/Blimp1 antibody
[EPR25163-80] (ab307644)

PRDM1/Blimp1 was immunoprecipitated from 0.35 mg SR (human pleural effusion lymphoblast) whole cell lysate 10 µg with ab307644 at 1/30 dilution (2 µg in 0.35 mg lysates). Western blot was performed on the immunoprecipitate using ab307644 at 1/1000 dilution. VeriBlot for IP secondary antibody (HRP) ([ab131366](#)) was used at 1/5000 dilution.

Lane 1: SR (human pleural effusion lymphoblast) whole cell lysate 10 µg

Lane 2: ab307644 IP in SR whole cell lysate





Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab307644 in SR whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 50 seconds

Lysate was freshly made and used for Western blotting immediately to minimize protein degradation.

Why choose a recombinant antibody?

| | |
|---|---|
|  <p>Research with confidence Consistent and reproducible results</p> |  <p>Long-term and scalable supply Recombinant technology</p> |
|  <p>Success from the first experiment Confirmed specificity</p> |  <p>Ethical standards compliant Animal-free production</p> |

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(ab307644)

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

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