


Anti-SA1 antibody ab4455

★★★★★ [1 Abreviews](#) [4 References](#) [4 图像](#)

概述

| | |
|-------|---|
| 产品名称 | Anti-SA1抗体 |
| 描述 | 山羊多克隆抗体to SA1 |
| 宿主 | Goat |
| 经测试应用 | 适用于: IP, WB, ICC |
| 种属反应性 | 与反应: Mouse, Human 预测可用于: Rhesus monkey  |
| 免疫原 | Synthetic peptide within Human SA1 aa 1-100. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. NP_005853.2 (GeneID 10274). Database link: Q8WVM7 |
| 阳性对照 | WB: HeLa nuclear extract. HeLa, MCF-7, HEK-293T, TCMK-1 and NIH/3T3 whole cell lysate. ICC: HeLa cells. IP: SA1 IP in HeLa whole cell lysate. |
| 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&As</p> |

性能

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|------|--|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| 存储溶液 | pH: 7 Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris |
| 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ab4455于以下的经测试应用

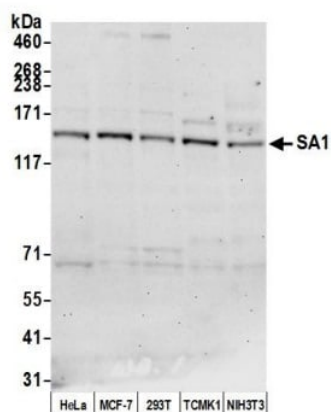
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|-----|------|--|
| IP | | Use at 2-10 µg/mg of lysate. |
| WB | | 1/1000 - 1/10000. Detects a band of approximately 144 kDa (predicted molecular weight: 144 kDa). |
| ICC | | 1/500 - 1/2000. |

靶标

| | |
|-------|--|
| 功能 | Component of cohesin complex, a complex required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates from chromatin, allowing sister chromatids to segregate. The cohesin complex may also play a role in spindle pole assembly during mitosis. |
| 序列相似性 | Belongs to the SCC3 family. Contains 1 SCD (stromalin conservative) domain. |
| 翻译后修饰 | Phosphorylated by PLK. The large dissociation of cohesin from chromosome arms during prophase is partly due to its phosphorylation. |
| 细胞定位 | Nucleus. Chromosome. Chromosome > centromere. Associates with chromatin. Before prophase it is scattered along chromosome arms. During prophase, most of cohesin complexes dissociate from chromatin probably because of phosphorylation by PLK, except at centromeres, where cohesin complexes remain. At anaphase, the RAD21 subunit of cohesin is cleaved, leading to the dissociation of the complex from chromosomes, allowing chromosome separation. |

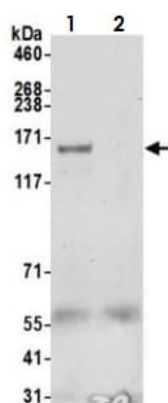
图片



Western blot - Anti-SA1 antibody (ab4455)

Whole cell lysate (15 μ g) from HeLa, MCF-7, HEK-293T, TCMK-1, and NIH/3T3 cells prepared using NETN lysis buffer.

ab4455 used for WB at 0.1 μ g/ml.



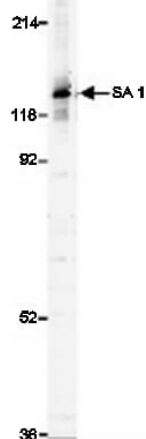
Immunoprecipitation - Anti-SA1 antibody (ab4455)

Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer.

Lane 1: ab4455 used for IP at 6 μ g per reaction.

Lane 2: Control IgG.

For blotting immunoprecipitated SA1, ab4455 was used at 0.1 μ g/ml.



Western blot - Anti-SA1 antibody (ab4455)

Nuclear Extract from HeLa cells ($\sim 5 \times 10^5$ cells).

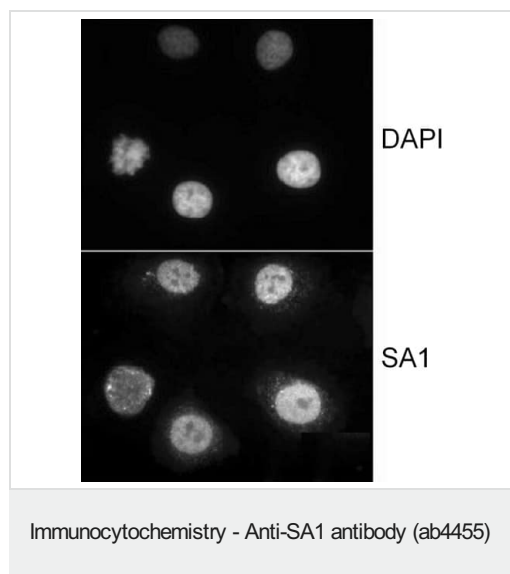
ab4455 at 0.5 μ g/ml.

Detection: ECL with 15 second exposure.

Nuclear Extract from HeLa cells ($\sim 5 \times 10^5$ cells).

ab4455 at 0.5 μ g/ml.

Detection: ECL with 15 second exposure.



Immunocytochemistry analysis of HeLa cells (extracted for 5 minutes at 4°C in 0.5% Triton in CSK buffer) labelling SA1 with ab4455 at 1µg/ml.

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