

Anti-SA2 antibody ab4463

★★★★★ [1 Abreviews](#) [9 References](#) [画像数 4](#)

製品の概要

製品名	Anti-SA2 antibody
製品の詳細	Goat polyclonal to SA2
由来種	Goat
特異性	We have data to indicate that this antibody may not cross react with <i>Xenopus laevis</i> . However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
アプリケーション	適用あり: IP, WB, ICC
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide within Human SA2 aa 1100-1200. 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_006594.3 (GeneID 10735). Database link: Q8N3U4
ポジティブ・コントロール	WB: HeLa nuclear cell extract. HeLa, HEK-293T and NIH/3T3 whole cell lysate. ICC: HeLa cells. IP: SA2 IP in HeLa whole cell lysate.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7 Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル

アプリケーション

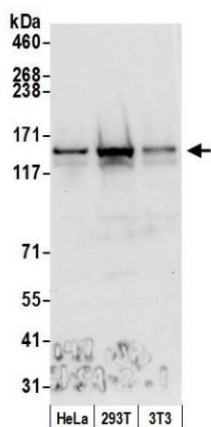
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab4463の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at 2-10 µg/mg of lysate.
WB		1/1000 - 1/10000. Detects a band of approximately 134 kDa (predicted molecular weight: 134 kDa).
ICC		1/500 - 1/2000.

ターゲット情報

機能	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.
配列類似性	Belongs to the SCC3 family. Contains 1 SCD (stromalin conservative) domain.
翻訳後修飾	Phosphorylated by PLK. The large dissociation of cohesin from chromosome arms during prophase is partly due to its phosphorylation.
細胞内局在	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. In germ cells, cohesin complex dissociates from chromatin at prophase I, and may be replaced by a meiosis-specific cohesin complex.

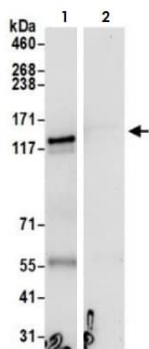
画像



Western blot - Anti-SA2 antibody (ab4463)

Whole cell lysate (50 μ g) from HeLa, HEK-293T, and NIH/3T3 cells prepared using NETN lysis buffer.

ab4463 used for WB at 0.1 μ g/ml.



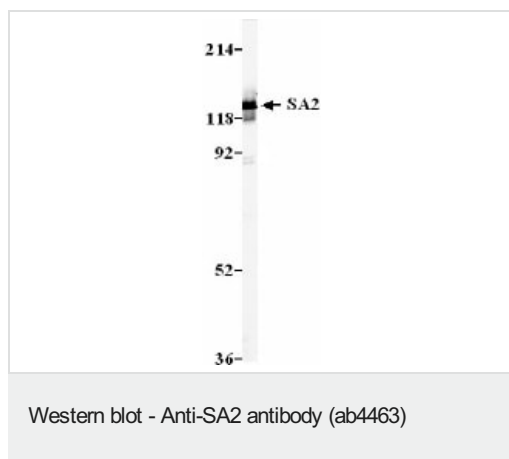
Immunoprecipitation - Anti-SA2 antibody (ab4463)

Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer.

Lane 1: ab4463 used for IP at 6 μ g per reaction.

Lane 2: Control IgG.

For blotting immunoprecipitated SA2, ab4463 was used at 1 μ g/ml.



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

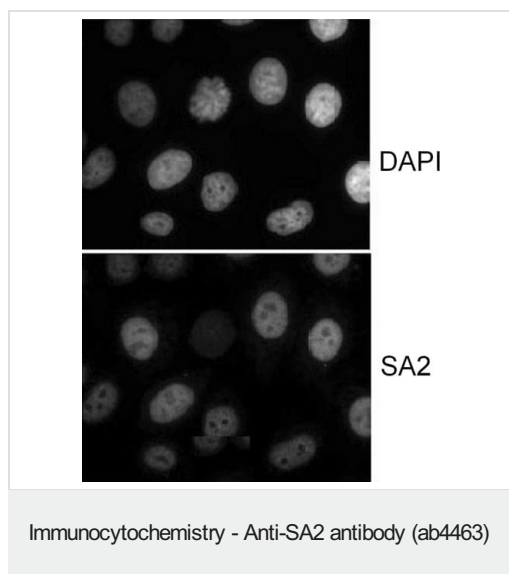
ab4463 at 0.5 $\mu\text{g/ml}$.

Detection: ECL with 15 second exposure.

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

ab4463 at 0.5 $\mu\text{g/ml}$.

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 SA2 with ab4463 at 1 $\mu\text{g/ml}$.

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