

## Product datasheet

# Anti-SA1 antibody - ChIP Grade ab4457

7 References [画像数 2](#)

### 製品の概要

|          |   |
|----------|---|
| 製品名      | Anti-SA1 antibody - ChIP Grade  |
| 製品の詳細    | Goat polyclonal to SA1 - ChIP Grade   |
| アプリケーション | <b>適用あり:</b> WB, ICC, ChIP, ChIP/Chip   |
| 種交差性     | <b>交差種:</b> Mouse, Human, Xenopus laevis<br><b>交差が予測される動物種:</b> Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey |
| 免疫原      | Synthetic peptide corresponding to Human SA1 aa 1150-1200.  |

### 製品の特性

|        |   |
|--------|---|
| 製品の状態  | Liquid  |
| 保存方法   | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| バッファー  | Preservative: 0.1% Sodium azide<br>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   |
| アイソタイプ | IgG   |

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab4457** in the following tested applications.

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

| アプリケーション | Abreviews | 特記事項   |
|----------|-----------|--|
| WB       |           | 1/1000 - 1/10000. Detects a band of approximately 144 kDa (predicted molecular weight: 144 kDa). |
| ICC      |           | 1/500 - 1/2000.  |
| ChIP     |           | Use at an assay dependent concentration. PubMed: 18550811  |

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|------|
|----------|-----------|------|

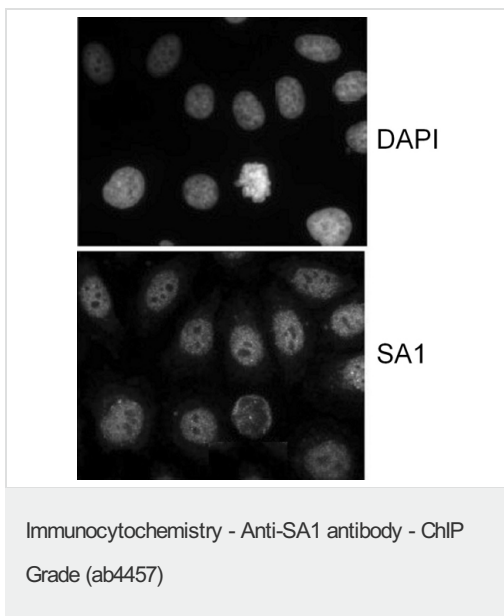
ChIP/Chip

Use at an assay dependent concentration. PubMed: 18550811

## ターゲット情報

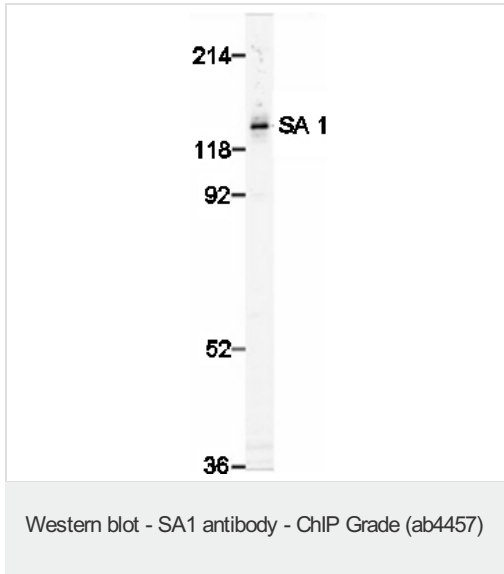
|       |  |
|-------|--|
| 機能    | Component of cohesin complex, a complex required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates 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.<br>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. |

## 画像



Immunocytochemistry analysis of HeLa cells (extracted for 5 minutes at 4°C in 0.5% Triton in CSK buffer) labelling SA1 with ab4457 at 1µg/ml.

Immunocytochemistry - Anti-SA1 antibody - ChIP  
Grade (ab4457)



**Predicted band size :** 144 kDa

Nuclear Extract from HeLa cells (~5 x 10<sup>5</sup> cells).

ab4457 at 0.5 µg/ml.

Detection: ECL with 15 second exposure.

Nuclear Extract from HeLa cells (~5 x 10<sup>5</sup> cells).

ab4457 at 0.5 µg/ml.

Detection: ECL with 15 second exposure.

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