

### Anti-CDCA5 antibody [EPR16331] - C-terminal ab192237

リコンビナント **RabMAb**

**14 References**    **画像数 6**

#### 製品の概要

製品名	Anti-CDCA5 antibody [EPR16331] - C-terminal
製品の詳細	Rabbit monoclonal [EPR16331] to CDCA5 - C-terminal
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ICC/IF, WB, IHC-P, Flow Cyt (Intra)
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	293, HeLa, Jurkat and SH-SY5Y cell lysates; Human stomach and human endometrium adenocarcinoma tissues; HeLa and 293 cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 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 long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR16331
アイソタイプ	IgG

## アプリケーション

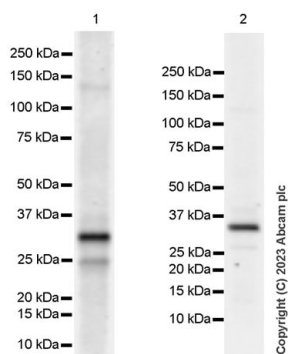
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab192237の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/100.
WB		1/1000 - 1/10000. Detects a band of approximately 35 kDa (predicted molecular weight: 28 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

## ターゲット情報

機能	Regulator of sister chromatid cohesion in mitosis stabilizing cohesin complex association with chromatin. May antagonize the action of WAPAL which stimulates cohesin dissociation from chromatin. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. Required for efficient DNA double-stranded break repair.
配列類似性	Belongs to the sororin family.
ドメイン	The KEN box is required for the association with the APC/C complex.
翻訳後修飾	Phosphorylated. Phosphorylation, as cells enter mitosis, disrupts the interaction with PDS5A and relieves the inhibition of WAPAL by CDCA5. Ubiquitinated by the APC/C complex in G1, leading to its degradation.
細胞内局在	Nucleus. Chromosome. Cytoplasm. Associates with nuclear chromatin from S phase until metaphase and is released in the cytoplasm upon nuclear envelope breakdown.

## 画像



Western blot - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

**All lanes :** Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237) at 1/1000 dilution

**Lane 1 :** HeLa (human cervical adenocarcinoma epithelial cell) whole cell lysate

**Lane 2 :** SH-SY5Y (human neuroblastoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 28 kDa

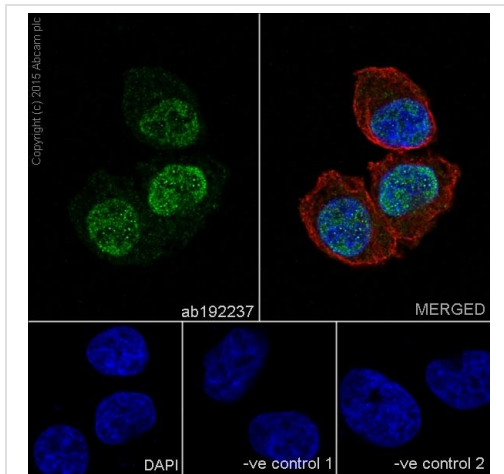
**Observed band size:** 27 kDa

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

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

Imaging carried out using iBright CL 1000 Imaging System

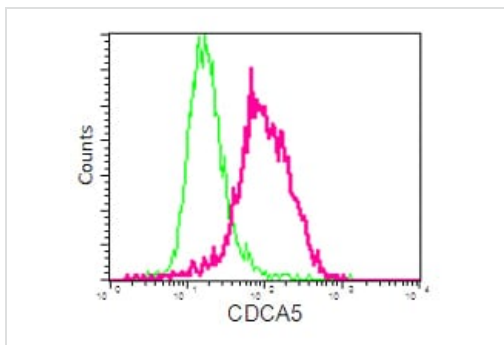
Exposure time: Lane 1: 180 seconds, Lane 2: 48 seconds.



Immunocytochemistry/ Immunofluorescence - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

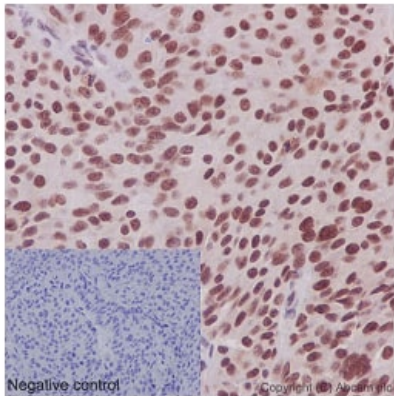
Immunofluorescent analysis of HeLa cells (4% Paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized) labeling CDCA5 with ab192237 at 1/100 dilution (5µg/mL) followed by Goat anti rabbit IgG (AlexaFluor® 488) (**ab150077**) secondary at 1/200 dilution and counter-stained with DAPI (blue).

Negative controls: anti-CDCA5 at 1/100 dilution, Secondary ab (Goat anti mouse IgG (Alexa Fluor®594)) at 1/400 dilution.



Flow Cytometry (Intracellular) - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

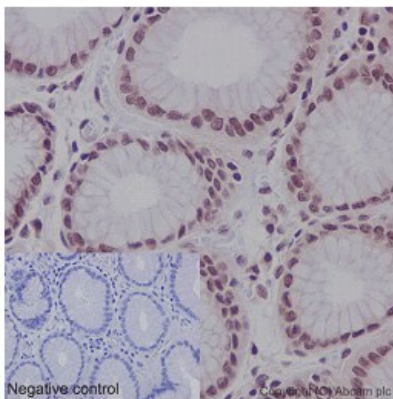
Intracellular flow cytometric analysis of 293 cells (paraformaldehyde-fixed, 2%) labeling CDCA5 with ab192237 at 1/100 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.



Immunohistochemical analysis of paraffin-embedded Human endometrium adenocarcinoma tissue labeling CDCA5 with ab192237 at 1/100 (5 µg/ml) dilution followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG secondary antibody and counter-stained with Hematoxylin. (inset: negative control).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)



Immunohistochemical analysis of paraffin-embedded Human stomach tissue labeling CDCA5 with ab192237 at 1/100 (5 µg/ml) dilution followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG secondary antibody and counter-stained with Hematoxylin. (inset: negative control).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-CDCA5 antibody [EPR16331] - C-terminal  
(ab192237)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors