

## Product datasheet

# Anti-SEN1 antibody [EPR3844] ab108981

リコンビナント RabMAb<sup>®</sup>

★★★★★ 6 Abreviews 8 References 画像数 8

### 製品の概要

<b>製品名</b>	Anti-SEN1 antibody [EPR3844]
<b>製品の詳細</b>	Rabbit monoclonal [EPR3844] to SEN1
<b>アプリケーション</b>	<b>適用あり:</b> Flow Cyt, ICC/IF, WB, IHC-P
<b>種交差性</b>	<b>交差種:</b> Human
<b>免疫原</b>	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) corresponding to Human SEN1 aa 400-500. Database link: <a href="#">Q9P0U3</a>
<b>ポジティブ・コントロール</b>	WB: HeLa, HUVEC, Jurkat, Daudi and U87-MG cell lysates. IHC-P: Human testis tissue. ICC/IF: Jurkat cells. Flow Cyt: HeLa cells.
<b>特記事項</b>	<p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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> <p><b>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</b></p> <p>This product is a recombinant rabbit monoclonal antibody.</p>

### 製品の特性

<b>製品の状態</b>	Liquid
<b>保存方法</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
<b>バッファー</b>	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
<b>精製度</b>	Protein A purified
<b>ポリ/モノ</b>	モノクローナル
<b>クローン名</b>	EPR3844

アイソタイプ

IgG

## アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab108981** in the following tested applications.

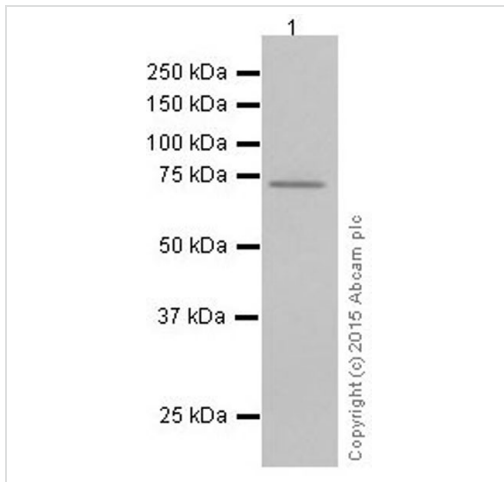
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt		1/20.
ICC/IF	★★★★★	1/100 - 1/500.
WB	★★★★★	1/1000 - 1/20000. Predicted molecular weight: 73 kDa.
IHC-P		1/100 - 1/300. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See protocols (link: <a href="http://www.abcam.com/protocols/ihc-antigen-retrieval-protocol">http://www.abcam.com/protocols/ihc-antigen-retrieval-protocol</a> ).

## ターゲット情報

機能	Protease that catalyzes two essential functions in the SUMO pathway: processing of full-length SUMO1, SUMO2 and SUMO3 to their mature forms and deconjugation of SUMO1, SUMO2 and SUMO3 from targeted proteins. Deconjugates SUMO1 from HIPK2. Deconjugates SUMO1 from HDAC1, which decreases its transcriptional repression activity.
組織特異性	Highly expressed in testis. Expressed at lower levels in thymus, pancreas, spleen, liver, ovary and small intestine.
配列類似性	Belongs to the peptidase C48 family.
細胞内局在	Nucleus. Cytoplasm. Shuttles between cytoplasm and nucleus.

## 画像



Western blot - Anti-SENP1 antibody [EPR3844] (ab108981)

Anti-SENP1 antibody [EPR3844] (ab108981) at 1/20000 dilution (purified) + Daudi cell lysate at 10  $\mu$ g

**Secondary**

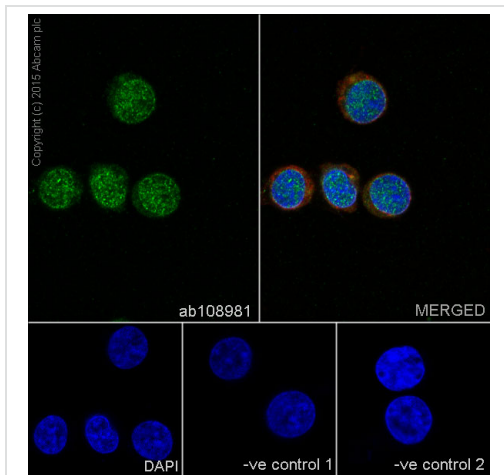
HRP goat anti-rabbit IgG (H+L) at 1/20000 dilution

**Predicted band size :** 73 kDa

**Observed band size :** 73 kDa

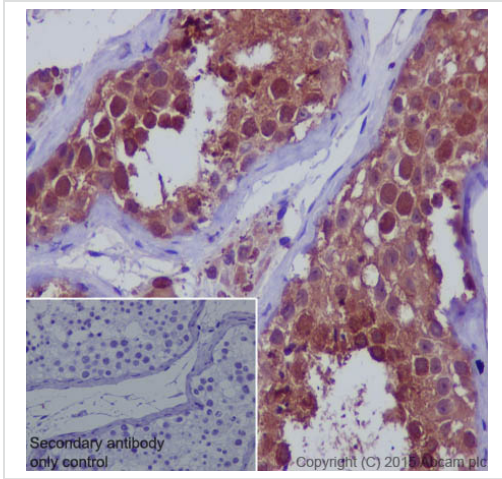
Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



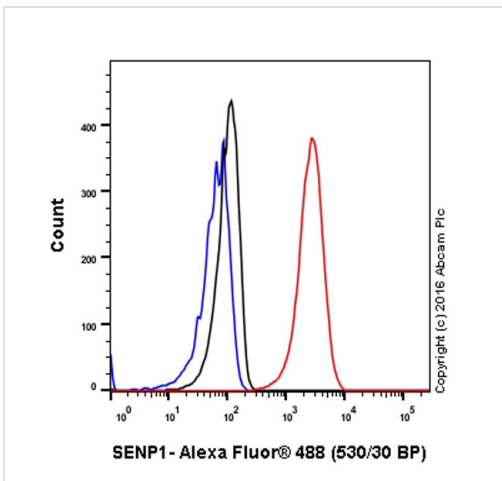
Immunocytochemistry/ Immunofluorescence - Anti-SENP1 antibody [EPR3844] (ab108981)

Immunofluorescence staining of Jurkat cells with purified ab108981 at a working dilution of 1/100, counter-stained with DAPI. The secondary antibody was Alexa Fluor<sup>®</sup> 488 goat anti-rabbit (ab150077), used at a dilution of 1/1000. ab7291, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with ab150120 (Alexa Fluor<sup>®</sup> 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified ab108981 was used at a dilution of 1/500 followed by an Alexa Fluor<sup>®</sup> 594 goat anti-mouse antibody (ab150120) at a dilution of 1/500. For negative control 2, ab7291 (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor<sup>®</sup> 488 goat anti-rabbit antibody (ab150077) at a dilution of 1/400.



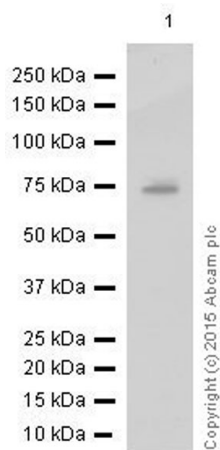
Immunohistochemical staining of paraffin embedded human testis with purified ab108981 at a working dilution of 1/300. The secondary antibody used is HRP goat anti-rabbit IgG H&L (ab97051) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SENP1 antibody [EPR3844] (ab108981)



Flow Cytometry analysis of HeLa cells labelling SENP1 with purified ab108981 at a dilution of 1/20 (red). Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/2000) was used as the secondary antibody. Black - Isotype control, rabbit monoclonal IgG. Blue - Unlabelled control, cells without incubation with primary and secondary antibodies.

Flow Cytometry - Anti-SENP1 antibody [EPR3844] (ab108981)



Western blot - Anti-SENP1 antibody [EPR3844] (ab108981)

Anti-SENP1 antibody [EPR3844] (ab108981) at 1/20000 dilution (purified) + U87-MG cell lysate at 10 µg

**Secondary**

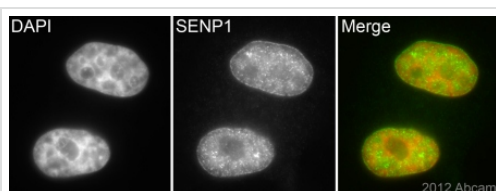
HRP goat anti-rabbit IgG (H+L) at 1/20000 dilution

**Predicted band size :** 73 kDa

**Observed band size :** 73 kDa

Blocking buffer: 5% NFDM/TBST

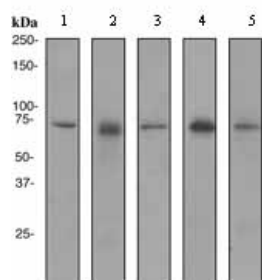
Dilution buffer: 5% NFDM/TBST



Immunocytochemistry/ Immunofluorescence - Anti-SENP1 antibody [EPR3844] (ab108981)

Image courtesy of an Abreview submitted by Dr. Kirk McManus, Univ. of Manitoba/Cancer Care MCB, Canada

Unpurified ab108981 (1/500) staining SENP1 in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.5% Triton X-100/PBS and counterstained with DAPI in order to highlight the nucleus (red). For further experimental details please refer to Abreview.



Western blot - SENP1 antibody [EPR3844] (ab108981)

**All lanes :** Anti-SENP1 antibody [EPR3844] (ab108981) at 1/1000 dilution (unpurified)

**Lane 1 :** HeLa cell lysates

**Lane 2 :** HUVEC cell lysates

**Lane 3 :** Jurkat cell lysates

**Lane 4 :** Daudi cell lysates

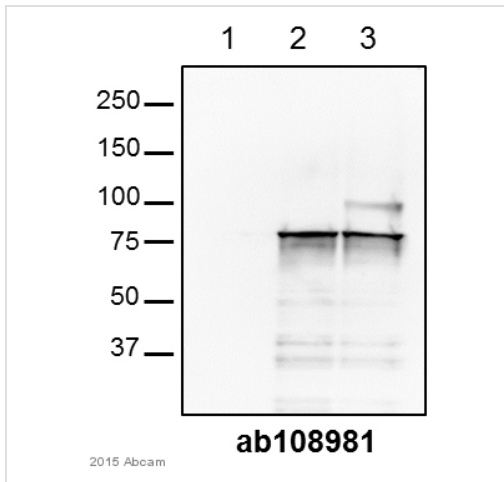
**Lane 5 :** U87-MG cell lysates

Lysates/proteins at 10 µg per lane.

**Secondary**

Standard HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size :** 73 kDa



Western blot - Anti-SEN1 antibody [EPR3844]  
(ab108981)

This image is courtesy of an Abreview submitted by Ragnhild Eskeland

**All lanes :** Anti-SEN1 antibody [EPR3844]  
(ab108981) at 1/1000 dilution (unpurified)

**Lane 1 :** COS-1 cell lysate

**Lane 2 :** COS-1 cell lysate transfected with  
SEN1

**Lane 3 :** COS-1 cell lysate transfected with  
SEN1 mutant

Lysates/proteins at 20000 cells per lane.

### Secondary

HRP-conjugated donkey anti-rabbit IgG  
polyclonal at 1/10000 dilution  
Developed using the ECL technique

Performed under reducing conditions.

**Predicted band size :** 73 kDa

**Observed band size :** 75 kDa

**Exposure time :** 6 minutes

*This image is courtesy of an Abreview  
submitted by Ragnhild Eskeland*

Blocked with 3% milk for 1 hour at 25°C.

Incubated with the primary antibody for 18  
hours at 4°C.

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