abcam

Product datasheet

Anti-SENP1 antibody [EPR3844] ab108981

リコンビナント RabMAb

6 Abreviews 10 References 画像数 8

製品の概要

製品名	Anti-SENP1 antibody [EPR3844]
製品の詳細	Rabbit monoclonal [EPR3844] to SENP1
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt, ICC/IF, WB, IHC-P
種交差性	**交差種:** Human
免疫原	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) corresponding to Human SENP1 aa 400-500. Database link: Q9P0U3
ポジティブ・コントロール	WB: HeLa, HUVEC, Jurkat, Daudi and U87-MG cell lysates. IHC-P: Human testis tissue. ICC/IF: Jurkat cells. Flow Cyt: HeLa cells.
特記事項	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents **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.** This product is a recombinant rabbit monoclonal antibody.

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	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	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.

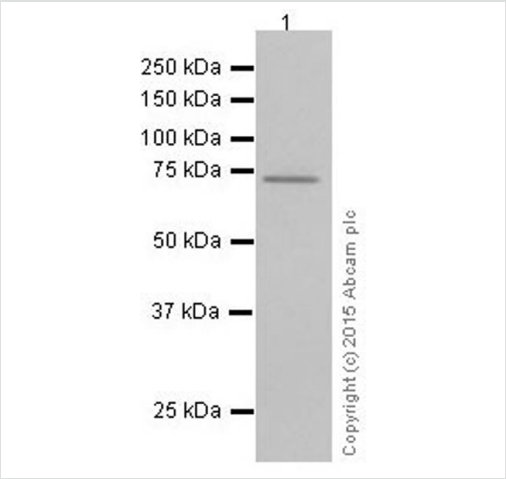
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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: http://www.abcam.com/protocols/ihc-antigen-retrieval-protocol).

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)

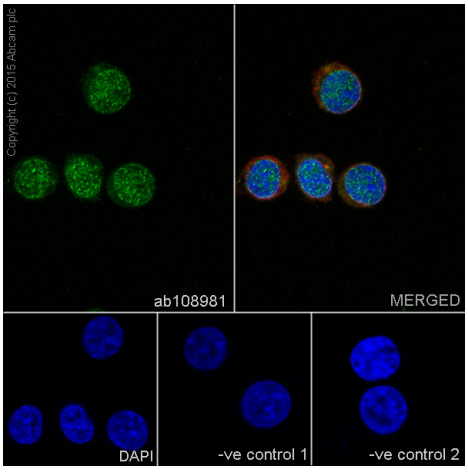
Anti-SENP1 antibody [EPR3844] (ab108981) at 1/20000 dilution (purified) + Daudi cell lysate at 10 µg

Secondary

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

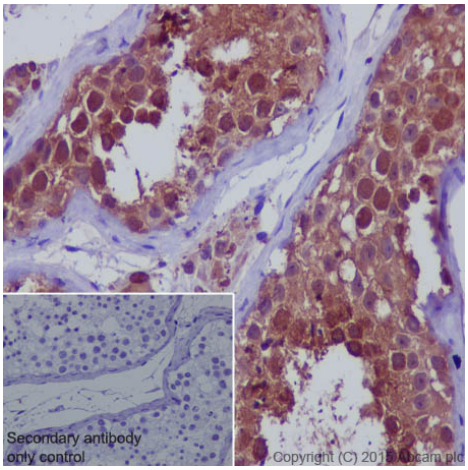
Predicted band size: 73 kDa
Observed band size: 73 kDa

Blocking buffer: 5% NFDM/TBST
Dilution buffer: 5% NFDM/TBST



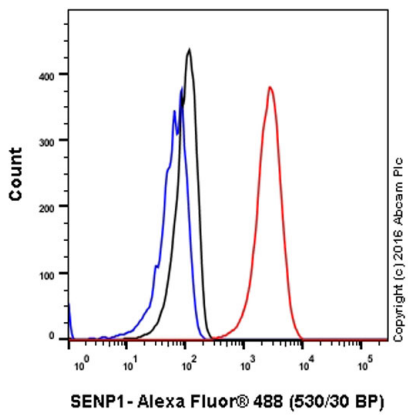
Immunocytochemistry/ Immunofluorescence - Anti-SENP1 antibody [EPR3844] (ab108981)

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® 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® 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® 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® 488 goat anti-rabbit antibody (ab150077) at a dilution of 1/400.



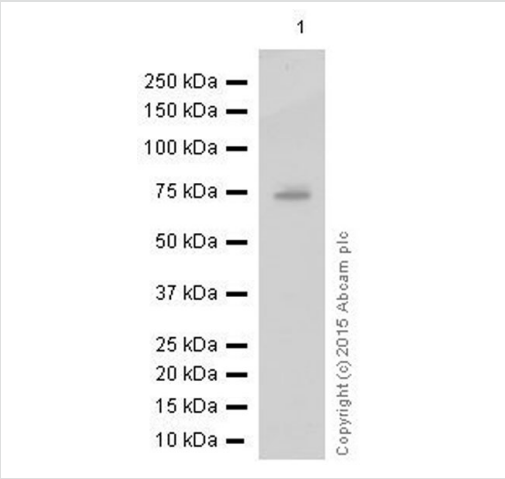
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SENP1 antibody [EPR3844] (ab108981)

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 perfomed 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.



Flow Cytometry - 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 Flour® 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.



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

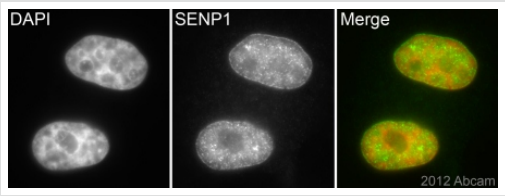
Anti-SENP1 antibody [EPR3844] (ab108981) at 1/20000 dilution (purified) + U87-MG cell lysate at 10 µg

Secondary

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

Predicted band size: 73 kDa
Observed band size: 73 kDa

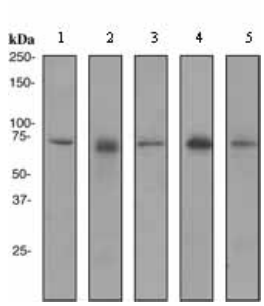
Blocking buffer: 5% NFDM/TBST
Dilution buffer: 5% NFDM/TBST



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

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

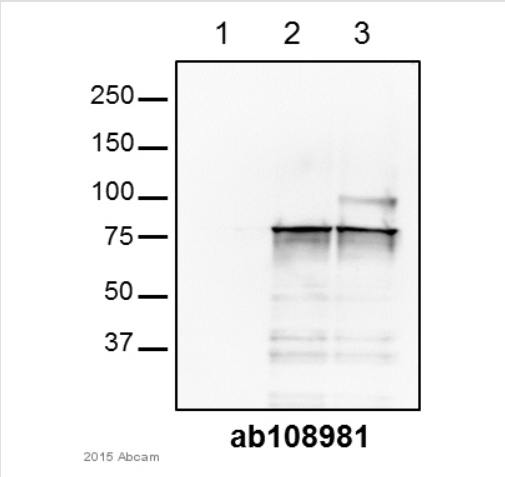
All lanes : Anti-SENP1 antibody [EPR3844] (ab108981) at 1/1000 dilution (unpurified)

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

Predicted band size: 73 kDa



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

This image is courtesy of an Abreview submitted by Ragnhild Eskeland

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

Lane 1 : COS-1 cell lysate
Lane 2 : COS-1 cell lysate transfected with SENP1
Lane 3 : COS-1 cell lysate transfected with SENP1 mutant

Lysates/proteins at 20000 cells per lane.

Secondary
All lanes : 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

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

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

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 http://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