

### Anti-USP11 antibody [EPR4346] ab109232

KO 評価済 リコンビナント RabMAb

★★★★★ **3 Abreviews** **12 References** **画像数 10**

#### 製品の概要

製品名	Anti-USP11 antibody [EPR4346]
製品の詳細	Rabbit monoclonal [EPR4346] to USP11
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP, Flow Cyt (Intra) <b>適用なし:</b> IHC-P
種交差性	<b>交差種:</b> Mouse, Rat, 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	WB: 293T, Jurkat, Human testis, Human fetal kidney and LnCaP cell lysates
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### 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. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR4346
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ab109232の使用に適用されず  
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
WB	★★★★★ (2)	1/1000 - 1/10000. Detects a band of approximately 110 kDa (predicted molecular weight: 110 kDa).
IP		1/10 - 1/300.
Flow Cyt (Intra)		1/500 - 1/1000. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

**追加情報** Is unsuitable for IHC-P.

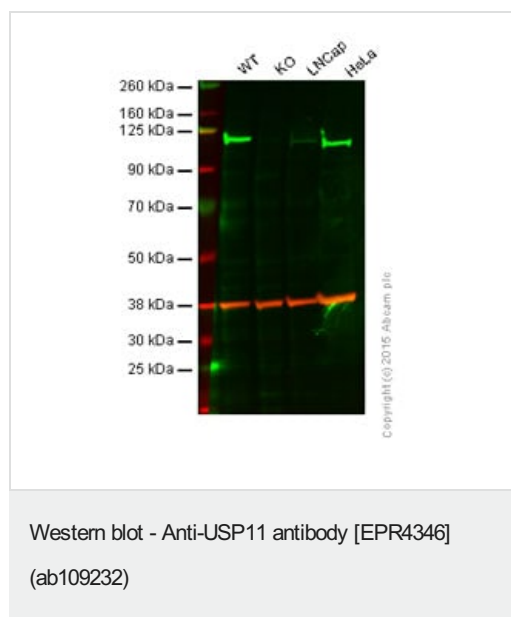
## ターゲット情報

**機能** Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains. Inhibits the degradation of target proteins by the proteasome. Plays a role in the regulation of pathways leading to NF-kappa-B activation. Plays a role in the regulation of DNA repair after double-stranded DNA breaks.

**配列類似性** Belongs to the peptidase C19 family.  
Contains 1 DUSP domain.

**細胞内局在** Nucleus. Cytoplasm. Predominantly nuclear. Associates with chromatin.

## 画像



**Lane 1:** Wild-type HAP1 cell lysate (20 µg)

**Lane 2:** USP11 knockout HAP1 cell lysate (20 µg)

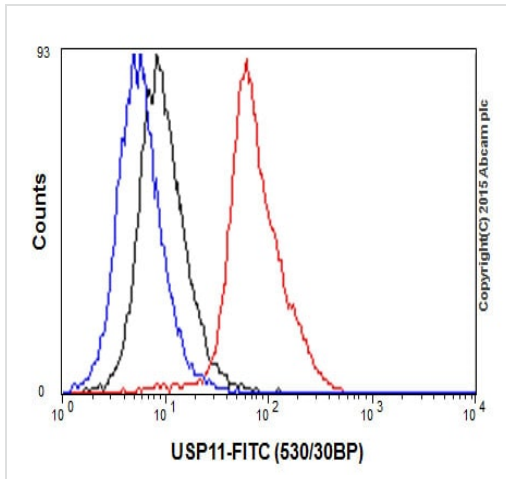
**Lane 3:** LNCaP cell lysate (20 µg)

**Lane 4:** HeLa cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab109232 observed at 110 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

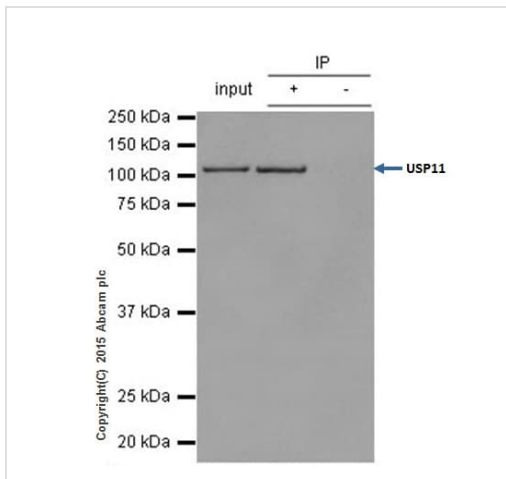
ab109232 was shown to specifically react with USP11 when USP11 knockout samples were used. Wild-type and USP11 knockout samples were subjected to SDS-PAGE. ab109232 and **ab8245** (loading control to GAPDH) were diluted 1/5000 and 1/2000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10

000 dilution for 1 h at room temperature before imaging.



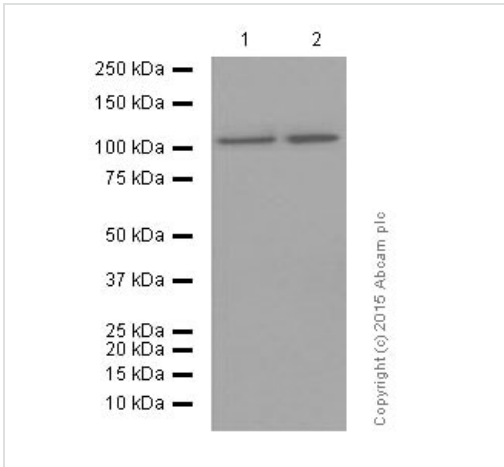
Flow Cytometry (Intracellular) - Anti-USP11 antibody [EPR4346] (ab109232)

Overlay histogram showing Jurkat cells fixed in 4% PFA and stained with purified ab109232 at a dilution of 1 in 950 (red line). The secondary antibody used was FITC goat anti-rabbit at a dilution of 1 in 500. Rabbit monoclonal IgG was used as an isotype control (black line) and cells incubated in the absence of both primary and secondary antibody were used as a negative control (blue line).



Immunoprecipitation - Anti-USP11 antibody [EPR4346] (ab109232)

ab109232 (purified) at 1/300 immunoprecipitating USP11 in 10  $\mu$ g HEK293 (Lanes 1 and 2, observed at 110 kDa). Lane 3 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500). Blocking buffer and concentration: 5% NFDm/TBST Dilution buffer and concentration: 5% NFDm/TBST



Western blot - Anti-USP11 antibody [EPR4346] (ab109232)

**All lanes :** Anti-USP11 antibody [EPR4346] (ab109232) at 1/5000 dilution (purified)

**Lane 1 :** mouse brain lysate

**Lane 2 :** rat brain lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

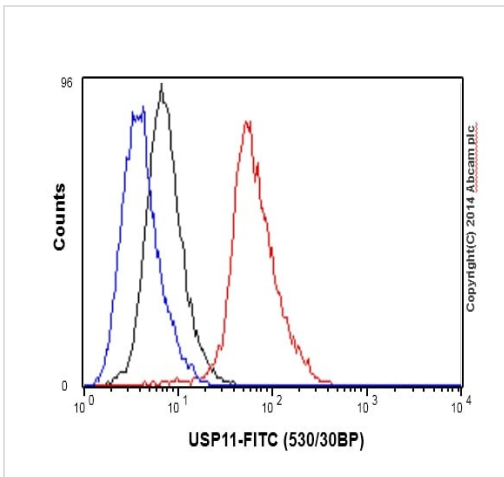
**All lanes :** HRP goat anti-rabbit IgG (H+L) at 1000 µg

**Predicted band size:** 110 kDa

**Observed band size:** 110 kDa

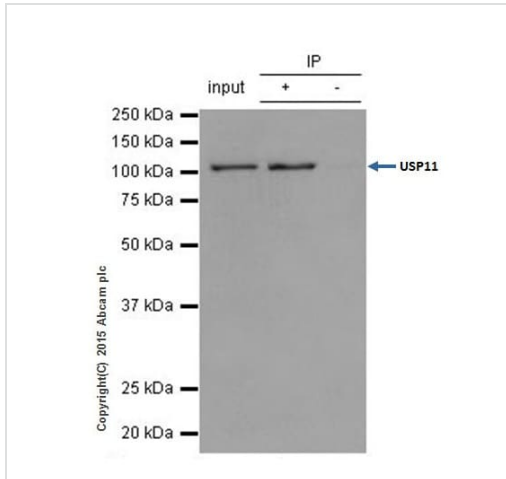
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



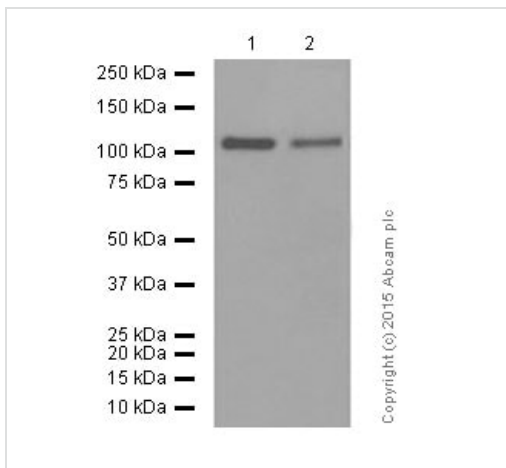
Flow Cytometry (Intracellular) - Anti-USP11 antibody [EPR4346] (ab109232)

Intracellular Flow Cytometry analysis of 2% paraformaldehyde fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling USP11 with unpurified ab109232 at 1/570 dilution (red line). Secondary antibody used is a goat anti rabbit IgG (FITC) at 1/150 dilution. The isotype control is rabbit monoclonal IgG (black line). The unlabeled control is cells without incubation with primary and secondary antibodies (blue line).



Immunoprecipitation - Anti-USP11 antibody  
[EPR4346] (ab109232)

ab109232 (purified) at 1/300 immunoprecipitating USP11 in 10 µg Jurkat (Lanes 1 and 2, observed at 110 kDa). Lane 3 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500). Blocking buffer and concentration: 5% NFDm/TBST Dilution buffer and concentration: 5% NFDm/TBST



Western blot - Anti-USP11 antibody [EPR4346]  
(ab109232)

**All lanes :** Anti-USP11 antibody [EPR4346] (ab109232) at 1/5000 dilution (purified)

**Lane 1 :** HEK293 lysate at 20 µg

**Lane 2 :** human fetal kidney lysate

**Secondary**

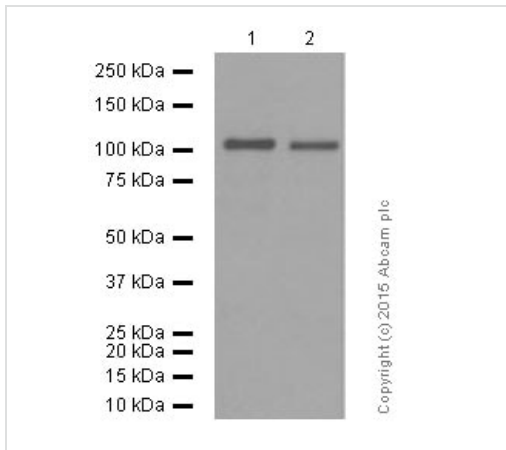
**All lanes :** HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

**Predicted band size:** 110 kDa

**Observed band size:** 110 kDa

Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Western blot - Anti-USP11 antibody [EPR4346] (ab109232)

**All lanes :** Anti-USP11 antibody [EPR4346] (ab109232) at 1/1000 dilution (purified)

**Lane 1 :** Jurkat lysate

**Lane 2 :** human testis lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

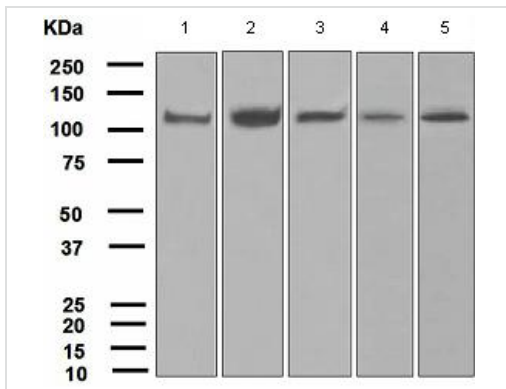
**All lanes :** HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

**Predicted band size:** 110 kDa

**Observed band size:** 110 kDa

Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Western blot - Anti-USP11 antibody [EPR4346] (ab109232)

**All lanes :** Anti-USP11 antibody [EPR4346] (ab109232) at 1/1000 dilution (unpurified)

**Lane 1 :** 293T cell lysate

**Lane 2 :** Jurkat cell lysate

**Lane 3 :** Human testis cell lysate

**Lane 4 :** Human fetal kidney cell lysate

**Lane 5 :** LnCaP cell lysate

Lysates/proteins at 10 µg per lane.


**Secondary**

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

**Predicted band size:** 110 kDa

**Observed band size:** 110 kDa

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-USP11 antibody [EPR4346] (ab109232)

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

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