

Anti-USP11 antibody [EPR4346] ab109232

敲除验证 重组 RabMAb

★★★★★ 3 Abreviews 12 References 10 图像

概述

产品名称	Anti-USP11抗体[EPR4346]
描述	兔单克隆抗体[EPR4346] to USP11
宿主	Rabbit
经测试应用	适用于: WB, IP, Flow Cyt (Intra) 不适用于: IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: 293T, Jurkat, Human testis, Human fetal kidney and LnCaP cell lysates
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4346
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab109232于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

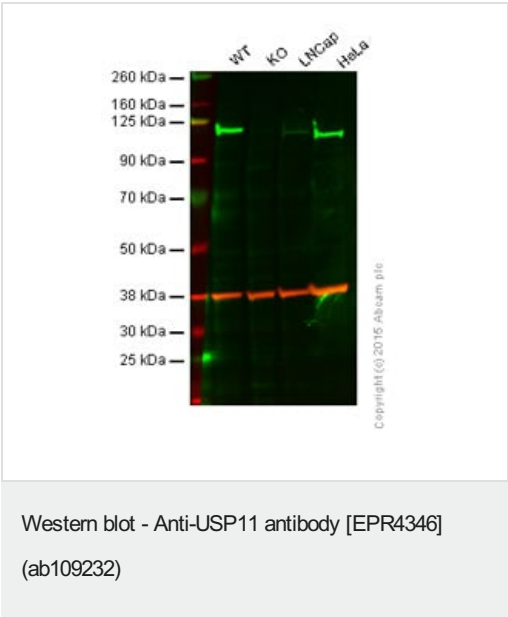
应用	Ab评论	说明
WB	★★★★★ (2)	1/1000 - 1/10000. Detects a band of approximately 110 kDa (predicted molecular weight: 110 kDa).
IP		1/10 - 1/300.
Flow Cyt (Intra)		1/500 - 1/1000. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

应用说明 Is unsuitable for IHC-P.

靶标

功能	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.
序列相似性	Belongs to the peptidase C19 family. Contains 1 DUSP domain.
细胞定位	Nucleus. Cytoplasm. Predominantly nuclear. Associates with chromatin.

图片

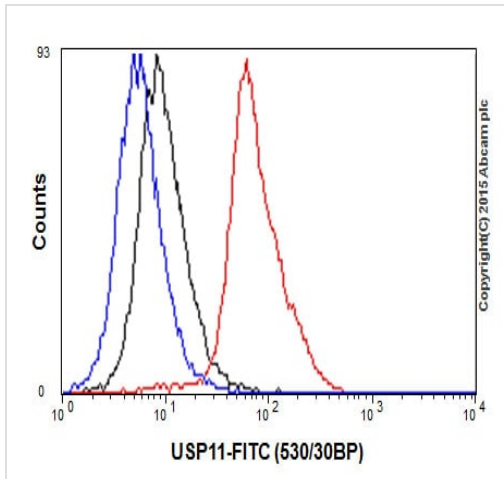


Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: USP11 knockout HAP1 cell lysate (20 µg)
Lane 3: LNCaP cell lysate (20 µg)
Lane 4: HeLa cell lysate (20 µg)

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

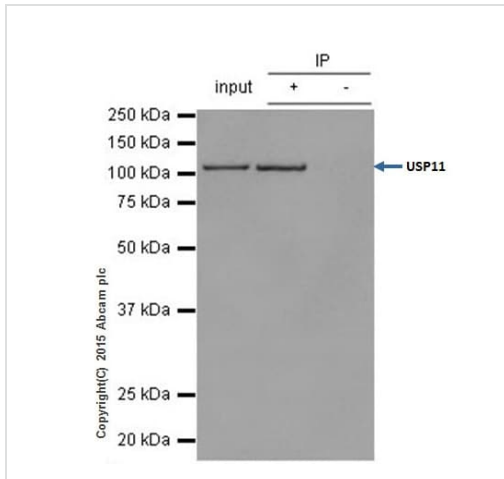
ab109232 was shown to specifically react with USP11 when USP11 knockout samples were used. Wild-type and USP11 knockout samples were subjected to SDS-PAGE. ab109232 and **ab8245** (loading control to GAPDH) were diluted 1/5000 and 1/2000 respectively and incubated overnight at 4°C. Blots were developed 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.



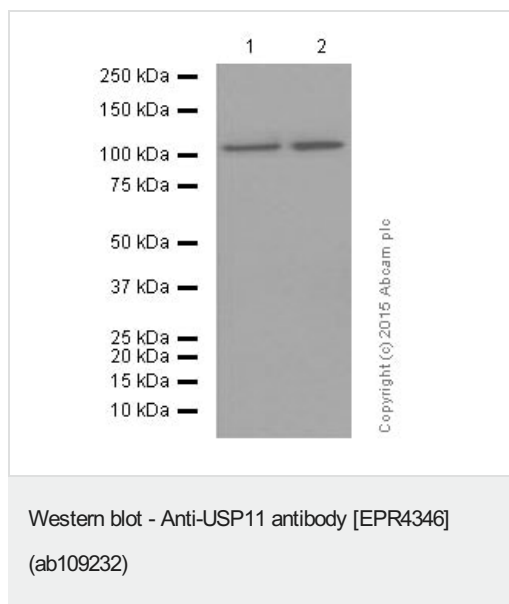
Flow Cytometry (Intracellular) - Anti-USP11 antibody
[EPR4346] (ab109232)

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 µg 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



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

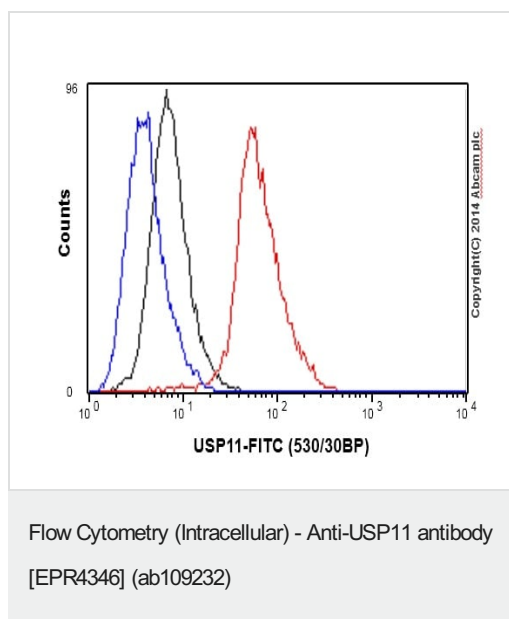
All lanes : HRP goat anti-rabbit IgG (H+L) at 1000 µg

Predicted band size: 110 kDa

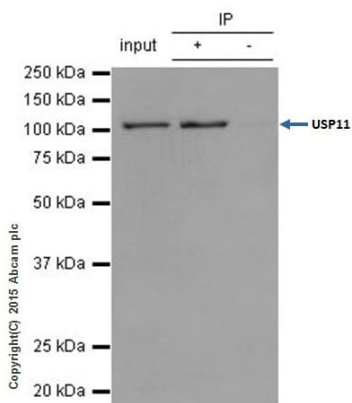
Observed band size: 110 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST

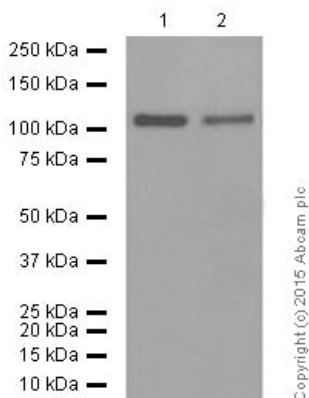


Intracellular Flow Cytometry analysis of 2% paraformaldehyde fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling USP11 with unpurified ab109232 at 1/570 dilution (red line). Secondary antibody used is a goat anti rabbit IgG (FITC) at 1/150 dilution. The isotype control is 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

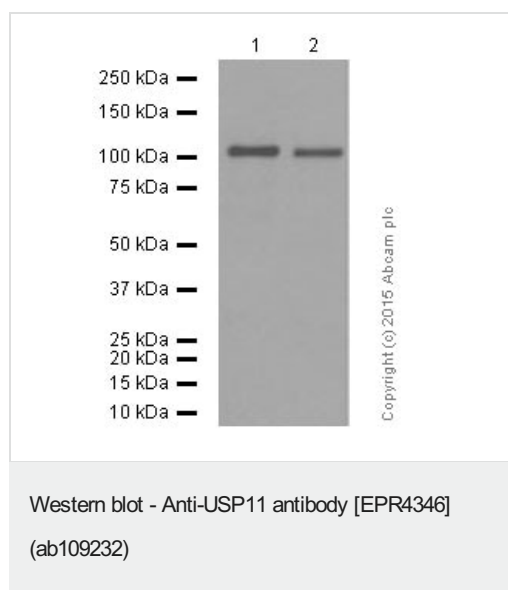
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 110 kDa

Observed band size: 110 kDa

Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



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

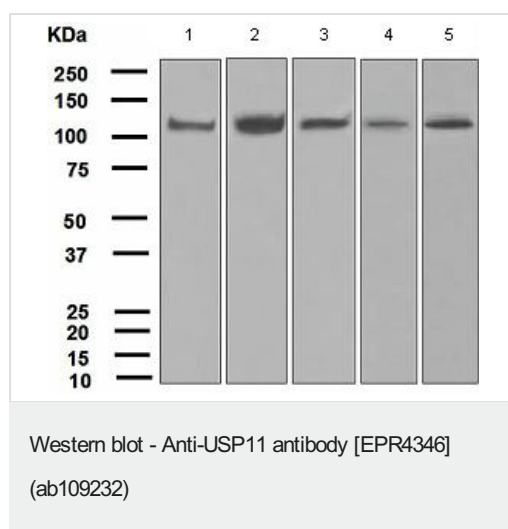
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 110 kDa

Observed band size: 110 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



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"

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.cn/abpromise> or contact our technical team.

Terms and conditions

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