

Anti-USP22 antibody [EPR4352(2)] ab109435

KO 評価済 リコンビナント RabMAb

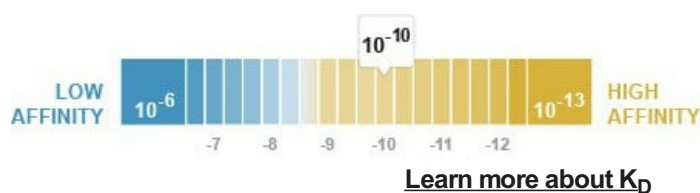
1 Abreviews 1 References 画像数 6

製品の概要

製品名	Anti-USP22 antibody [EPR4352(2)]
製品の詳細	Rabbit monoclonal [EPR4352(2)] to USP22
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB 適用なし: ICC/IF or IHC-P
種交差性	交差種: 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: HeLa, HAP1, human placenta and HT-1376 lysates
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
解離定数 (K _D 値)	K _D = 1.13 x 10 ⁻¹⁰ M



バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR4352(2)
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ab109435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。

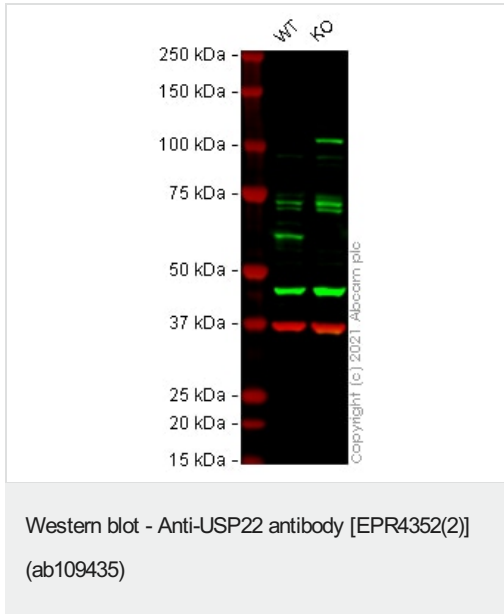
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/5000. Predicted molecular weight: 60 kDa.

追加情報 Is unsuitable for ICC/IF or IHC-P.

ターゲット情報

機能	Histone deubiquitinating component of the transcription regulatory histone acetylation (HAT) complex SAGA. Catalyzes the deubiquitination of both histones H2A and H2B, thereby acting as a coactivator. Recruited to specific gene promoters by activators such as MYC, where it is required for transcription. Required for nuclear receptor-mediated transactivation and cell cycle progression.
組織特異性	Moderately expressed in various tissues including heart and skeletal muscle, and weakly expressed in lung and liver.
配列類似性	Belongs to the peptidase C19 family. UBP8 subfamily. Contains 1 UBP-type zinc finger.
細胞内局在	Nucleus.

画像



All lanes : Anti-USP22 antibody [EPR4352(2)] (ab109435) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

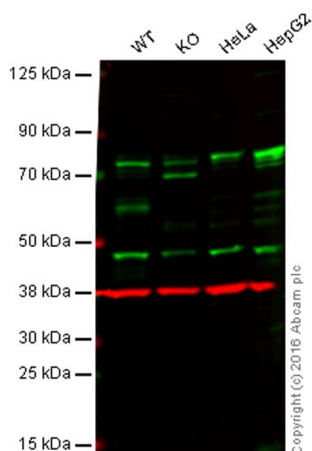
Lane 2 : USP22 knockout HeLa cell lysate

Performed under reducing conditions.

Predicted band size: 60 kDa

Observed band size: 59 kDa

False colour image of Western blot: Anti-USP22 antibody [EPR4352(2)] staining at 1/1000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab109435 was shown to bind specifically to USP22. A band was observed at 59 kDa in wild-type HeLa cell lysates with no signal observed at this size in usp22 knockout cell line [ab264888](#) (knockout cell lysate [ab257789](#)). To generate this image, wild-type and usp22 knockout HeLa cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with primary antibodies overnight at 4°C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



Western blot - Anti-USP22 antibody [EPR4352(2)] (ab109435)

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

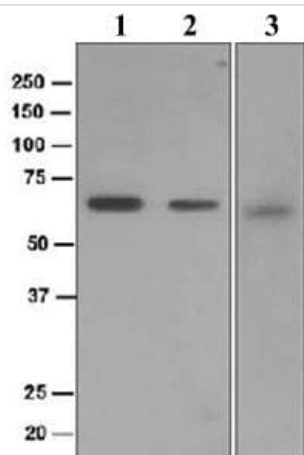
Lane 2: USP22 knockout HAP1 cell lysate (20 µg)

Lane 3: HeLa cell lysate (20 µg)

Lane 4: HepG2 cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab109435 observed at 60 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

Ab109435 was shown to specifically react with USP22 in wild-type cells along with additional cross-reactive bands. The band was not seen in USP22 knockout HAP1 cells. Wild-type and USP22 knockout samples were subjected to SDS-PAGE. ab109435 and **ab8245** (loading control to GAPDH) were diluted at 1/1000 and 1/10000 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 1/10000 dilution for 1 h at room temperature before imaging.



Western blot - Anti-USP22 antibody [EPR4352(2)] (ab109435)

All lanes : Anti-USP22 antibody [EPR4352(2)] (ab109435) at 1/1000 dilution

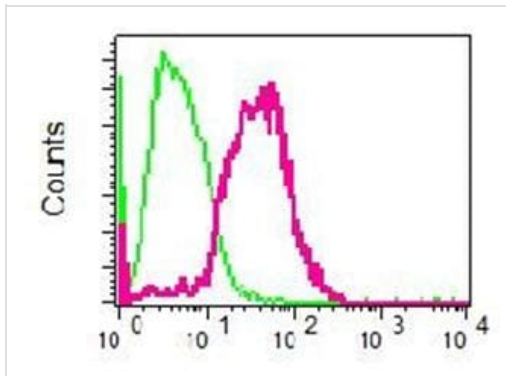
Lane 1 : HeLa cell lysate

Lane 2 : Human placenta lysate

Lane 3 : HT-1376 lysate

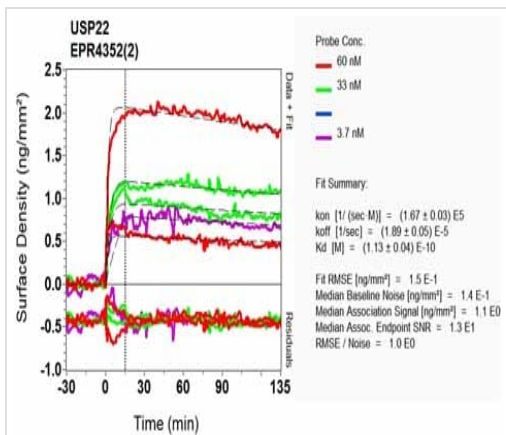
Lysates/proteins at 10 µg per lane.

Predicted band size: 60 kDa



Intracellular flow cytometric analysis of permeabilized HeLa cells using 1/10 ab109435 (red) or a rabbit IgG (negative) (green).

Flow Cytometry (Intracellular) - Anti-USP22 antibody
[EPR4352(2)] (ab109435)



Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

OI-RD Scanning - Anti-USP22 antibody
[EPR4352(2)] (ab109435)

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-USP22 antibody [EPR4352(2)] (ab109435)

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