

Anti-USP22 antibody [EPR4352(2)] ab109435

敲除验证
重组
RabMAb

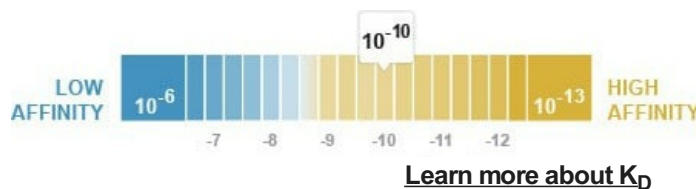
[1 Abreviews](#)
[1 References](#)
[6 图像](#)

概述

产品名称	Anti-USP22抗体[EPR4352(2)]
描述	兔单克隆抗体[EPR4352(2)] to USP22
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB 不适用于: ICC/IF or IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, HAP1, human placenta and HT-1376 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> <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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
解离常数 (K_D)	K _D = 1.13 x 10 ⁻¹⁰ M



存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4352(2)
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab109435 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。

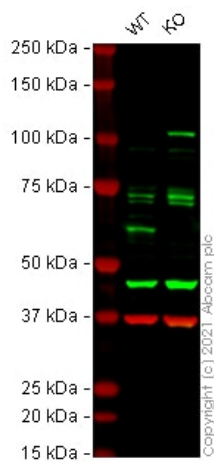
应用	Ab评论	说明
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/5000. Predicted molecular weight: 60 kDa.

应用说明 Is unsuitable for ICC/IF or IHC-P.

靶标

功能	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.
组织特异性	Moderately expressed in various tissues including heart and skeletal muscle, and weakly expressed in lung and liver.
序列相似性	Belongs to the peptidase C19 family. UBP8 subfamily. Contains 1 UBP-type zinc finger.
细胞定位	Nucleus.

图片



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

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

Lane 1 : Wild-type HeLa cell lysate

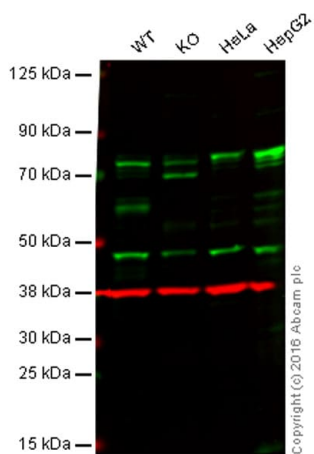
Lane 2 : USP22 knockout HeLa cell lysate

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)

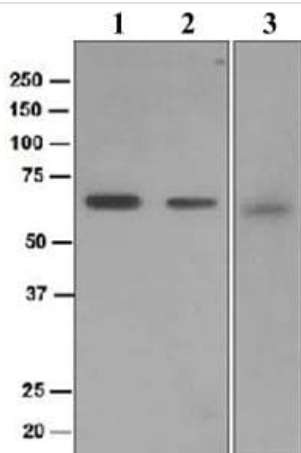
Lane 2: USP22 knockout HAP1 cell lysate (20 µg)

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

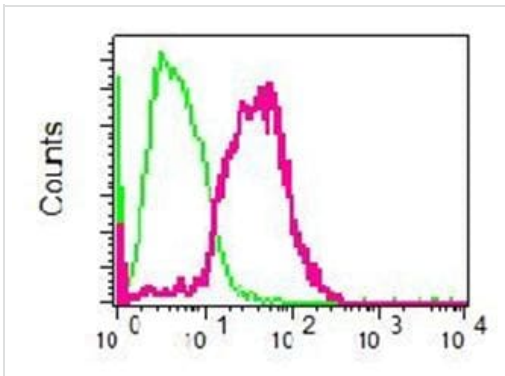
Lane 1 : HeLa cell lysate

Lane 2 : Human placenta lysate

Lane 3 : HT-1376 lysate

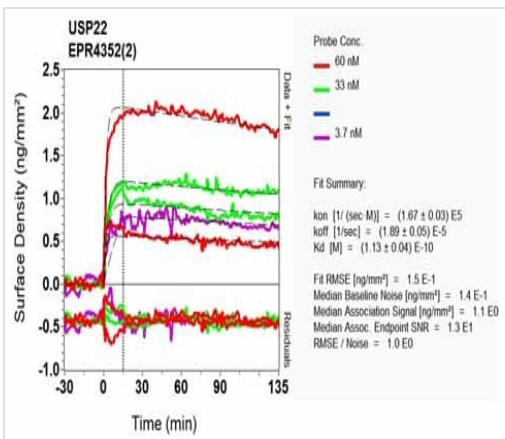
Lysates/proteins at 10 µg per lane.

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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