abcam

Product datasheet

Anti-p23 antibody [EPR3846] ab92503

KO VALIDATED Recombinant RabMAb

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Overview

Product name	Anti-p23 antibody [EPR3846]
Description	Rabbit monoclonal [EPR3846] to p23
Host species	Rabbit
Tested applications	**Suitable for:** WB, ICC/IF **Unsuitable for:** Flow Cyt or IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide within Human p23 aa 50-150. The exact sequence is proprietary.
Positive control	WB: HEK-293T, HeLa, Human spleen, Jurkat and HepG2 cell lysates ICC/IF: HeLa cells
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3846

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab92503 in the following tested applications.

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

Application	Abreviews	Notes
WB	★★★★★ (1)	1/10000 - 1/50000. Predicted molecular weight: 19 kDa.
ICC/IF		1/100 - 1/250.

Application notes Is unsuitable for Flow Cyt or IHC-P.

Target

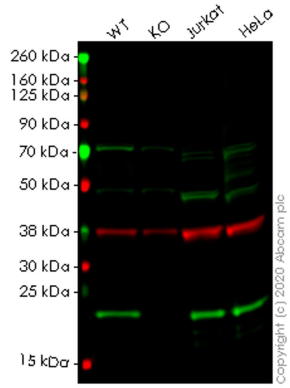
Function Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts receptor-mediated transcriptional activation, by promoting disassembly of transcriptional regulatory complexes.

Pathway Lipid metabolism; prostaglandin biosynthesis.

Sequence similarities Belongs to the p23/wos2 family.
Contains 1 CS domain.

Cellular localization Cytoplasm.

Images



Western blot - Anti-p23 antibody [EPR3846] (ab92503)

All lanes : Anti-p23 antibody [EPR3846] (ab92503) at 1/1000 dilution

Lane 1 : Wild-type HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
Lane 2 : PTGES3 knockout HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
Lane 3 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate
Lane 4 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

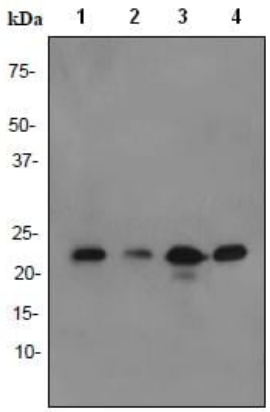
Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW)

preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 19 kDa
Observed band size: 23 kDa

Lanes 1-4: Merged signal (red and green). Green - ab92503 observed at 23 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab92503 Anti-p23 antibody [EPR3846] was shown to specifically react with p23 in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line **ab266791** (knockout cell lysate **ab258151**) was used. Wild-type and p23 knockout samples were subjected to SDS-PAGE. ab92503 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. 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 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-p23 antibody [EPR3846] (ab92503)

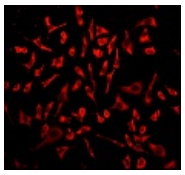
All lanes : Anti-p23 antibody [EPR3846] (ab92503) at 1/10000 dilution

Lane 1 : HeLa cell lysate
Lane 2 : Human spleen lysate
Lane 3 : Jurkat cell lysate
Lane 4 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

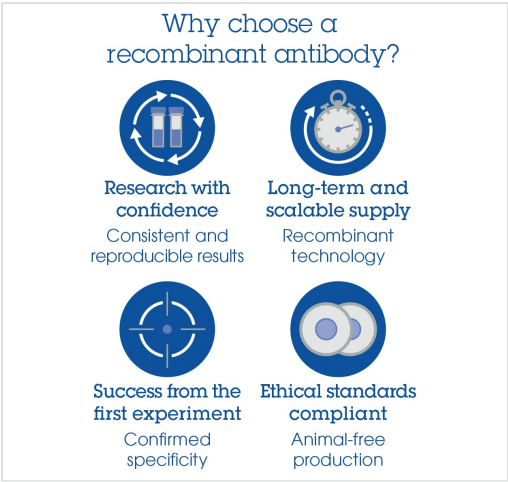
Secondary
All lanes : HRP-labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 19 kDa
Observed band size: 23 kDa



Immunocytochemistry/ Immunofluorescence - Anti-p23 antibody [EPR3846] (ab92503)

Immunofluorescent staining of HeLa cells, using ab92503 at a dilution of 1/100.



Anti-p23 antibody [EPR3846] (ab92503)

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