

Product datasheet

Anti-p23 antibody [EPR3846] - BSA and Azide free ab247573


KO VALIDATED

Recombinant

RabMAb

4 Images

Overview

Product name	Anti-p23 antibody [EPR3846] - BSA and Azide free
Description	Rabbit monoclonal [EPR3846] to p23 - BSA and Azide free
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. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK-293T, HeLa, Human spleen, Jurkat and HepG2 cell lysates ICC/IF: HeLa cells
General notes	<p>ab247573 is the carrier-free version of ab92503.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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</p>

monoclonal antibodies. For details on our patents, please refer to [**RabMAb® patents**](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3846
Isotype	IgG

Applications

The Abpromise guarantee Our [**Abpromise guarantee**](#) covers the use of ab247573 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

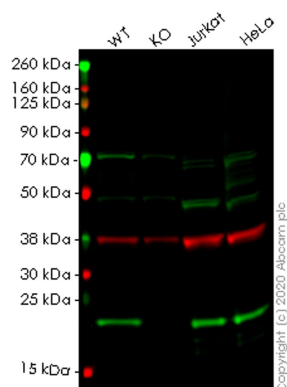
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 19 kDa.
ICC/IF		Use at an assay dependent concentration.

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] - BSA and Azide free (ab247573)

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

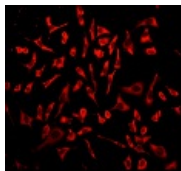
Predicted band size: 19 kDa

Observed band size: 23 kDa

This data was developed using [ab92503](#), the same antibody clone in a different buffer formulation.

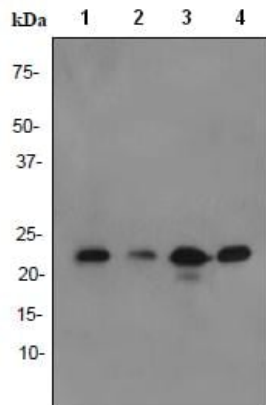
Lanes 1-4: Merged signal (red and green). Green - [ab92503](#) observed at 23 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

[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.



Immunocytochemistry/ Immunofluorescence - Anti-p23 antibody [EPR3846] - BSA and Azide free (ab247573)

This data was developed using **ab92503**, the same antibody clone in a different buffer formulation. Immunofluorescent staining of HeLa cells, using **ab92503** at a dilution of 1/100.



Western blot - Anti-p23 antibody [EPR3846] - BSA and Azide free (ab247573)

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

Lane 1 : HeLa cell lysate

Lane 2 : Human spleen 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

This data was developed using **ab92503**, the same antibody clone in a different buffer formulation.

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-p23 antibody [EPR3846] - BSA and Azide free (ab247573)

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.com/abpromise> or contact our technical team.

Terms and conditions

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