

Anti-Pirh2 antibody [EPR18553] - BSA and Azide free ab251001

KO VALIDATED

Recombinant

RabMAb

2 Images

Overview

Product name	Anti-Pirh2 antibody [EPR18553] - BSA and Azide free
Description	Rabbit monoclonal [EPR18553] to Pirh2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, HepG2 and Daudi cell lysate.
General notes	<p>ab251001 is the carrier-free version of ab189907.</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 monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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
Clonality	Monoclonal
Clone number	EPR18553
Isotype	IgG

Applications

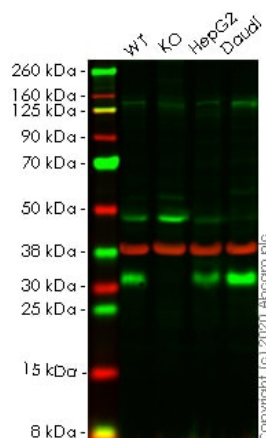
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251001 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Mediates E3-dependent ubiquitination and proteasomal degradation of target proteins, including p53/TP53, HDAC1 and CDKN1B. Preferentially acts on tetrameric p53/TP53. Contributes to the regulation of CDKN1B and p53/TP53 levels, and thereby contributes to the regulation of the cell cycle progression. Increases AR transcription factor activity.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Contains 1 CHY-type zinc finger. Contains 1 CTCHY-type zinc finger. Contains 1 RING-type zinc finger.
Post-translational modifications	Subject to ubiquitination and proteasomal degradation. Interaction with PLAGL2 or KAT5 enhances protein stability.
Cellular localization	Nucleus. Nucleus speckle. Cytoplasm.

Images



Western blot - Anti-Pirh2 antibody [EPR18553] - BSA and Azide free (ab251001)

All lanes : Anti-Pirh2 antibody [EPR18553] ([ab189907](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : RCHY1 knockout HeLa cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : Daudi cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 30 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab189907](#)).

Lanes 1-4: Merged signal (red and green). Green - [ab189907](#) observed at 30 kDa. Red - loading control [ab8245](#) observed at 37 kDa.

[ab189907](#) Anti-Pirh2 antibody [EPR18553] was shown to specifically react with RCHY1 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265478](#) (knockout cell lysate [ab258171](#)) was used. Wild-type and RCHY1 knockout samples were subjected to SDS-PAGE. [ab189907](#) 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.

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-Pirh2 antibody [EPR18553] - BSA and Azide free (ab251001)

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