abcam

Product datasheet

Anti-Pirh2 antibody [EPR18553] ab189907

KO 評価済 リコンビナント RabMAb

2 References 画像数 9

製品の概要

製品名	Anti-Pirh2 antibody [EPR18553]
製品の詳細	Rabbit monoclonal [EPR18553] to Pirh2
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, IP, WB
種交差性	**交差種:** Mouse, 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, HepG2, Daudi, HEK-293, HCT 116, LNCaP, RAW 264.7 and NIH/3T3 whole cell lysates; Human fetal heart, fetal kidney and fetal spleen lysates; Mouse kidney and spleen lysates. ICC/IF: HeLa and HEK-293 cells. IP: HeLa whole cell lysate.
特記事項	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**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR18553

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ab189907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
ICC/IF		1/500.
IP		1/50.
WB		1/1000. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).

ターゲット情報

機能 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.

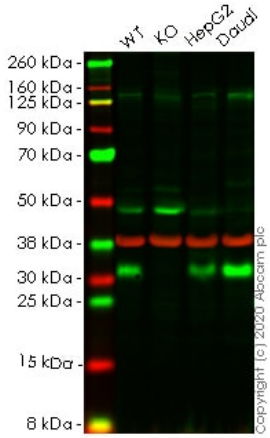
パスウェイ Protein modification; protein ubiquitination.

配列類似性 Contains 1 CHY-type zinc finger.
Contains 1 CTCHY-type zinc finger.
Contains 1 RING-type zinc finger.

翻訳後修飾 Subject to ubiquitination and proteasomal degradation. Interaction with PLAGL2 or KAT5 enhances protein stability.

細胞内局在 Nucleus. Nucleus speckle. Cytoplasm.

画像



Western blot - Anti-Pirh2 antibody [EPR18553] (ab189907)

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

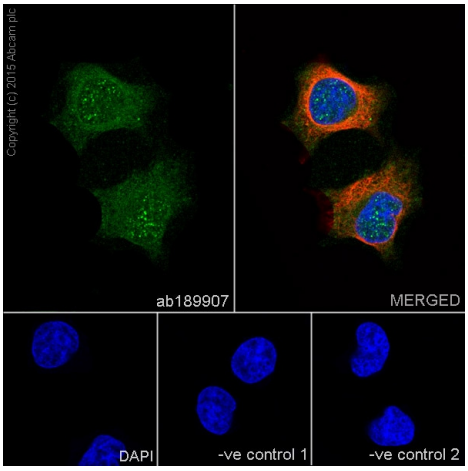
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 30 kDa

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.



Immunocytochemistry/ Immunofluorescence - Anti-Pirh2 antibody [EPR18553] (ab189907)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling Pirh2 with ab189907 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green).

Confocal image showing nuclear and cytoplasmic staining on HeLa cell line.

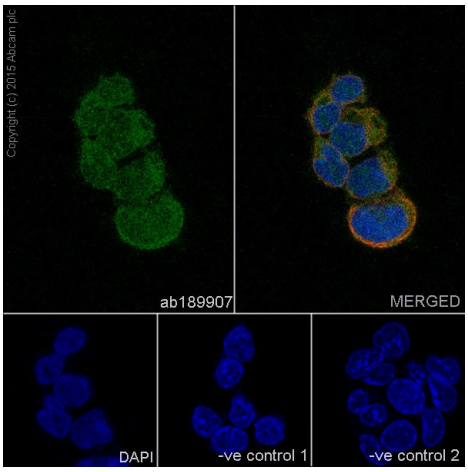
The nuclear counterstain is DAPI (blue).

Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution (red).

The negative controls are as follows:-

-ve control 1: ab189907 at 1/500 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution.

-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-Pirh2 antibody [EPR18553] (ab189907)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HEK-293 (Human epithelial cells from embryonic kidney) cells labeling Pirh2 with ab189907 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green).

Confocal image showing nuclear and cytoplasmic staining on HEK-293 cell line.

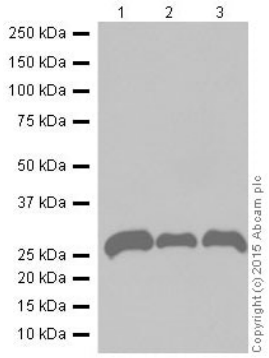
The nuclear counterstain is DAPI (blue).

Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution (red).

The negative controls are as follows:-

-ve control 1: ab189907 at 1/500 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution.

-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/1000 dilution.



Western blot - Anti-Pirh2 antibody [EPR18553] (ab189907)

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

Lane 1 : HEK-293 (Human epithelial cells from embryonic kidney) whole cell lysate
Lane 2 : HCT 116 (Human colorectal carcinoma cell line) whole cell lysate
Lane 3 : LNCaP (Human prostate cancer cell line) whole cell lysate

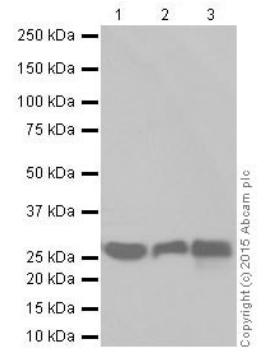
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 30 kDa
Observed band size: 30 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Pirh2 antibody [EPR18553] (ab189907)

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

Lanes 1 & 3 : Human fetal heart lysate
Lane 2 : Human fetal kidney lysate

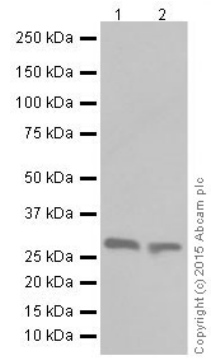
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/10000 dilution

Predicted band size: 30 kDa
Observed band size: 30 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Pirh2 antibody [EPR18553] (ab189907)

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

Lane 1 : Mouse kidney lysate
Lane 2 : Mouse spleen lysate

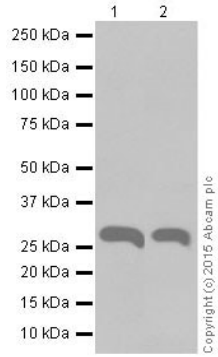
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 30 kDa
Observed band size: 30 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Pirh2 antibody [EPR18553] (ab189907)

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

Lane 1 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate
Lane 2 : NIH/3T3 (Mouse embyro fibroblast cells) whole cell lysate

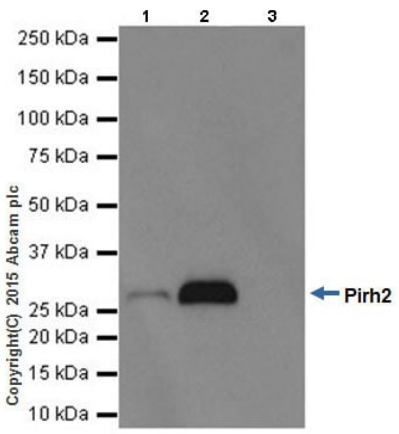
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 30 kDa
Observed band size: 30 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-Pirh2 antibody [EPR18553] (ab189907)

Pirh2 was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with ab189907 at 1/50 dilution.

Western blot was performed from the immunoprecipitate using ab189907 at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

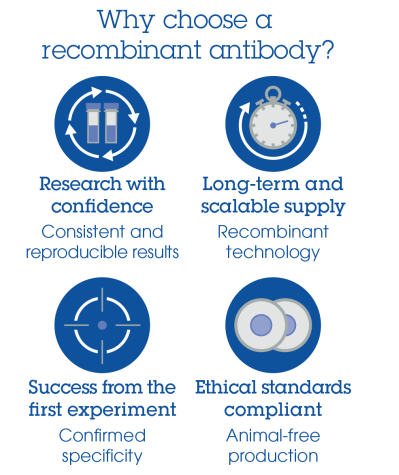
Lane 1: HeLa whole cell lysate 10ug (Input).

Lane 2: ab189907 IP in HeLa whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab189907 in HeLa whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 30 seconds.



Anti-Pirh2 antibody [EPR18553] (ab189907)

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