

Anti-PARP1 antibody [E78] ab32071

KO 評価済 リコンビナント RabMAb

★★★★★ [2 Abreviews](#) [27 References](#) [画像数 3](#)

製品の概要

製品名	Anti-PARP1 antibody [E78]
製品の詳細	Rabbit monoclonal [E78] to PARP1
由来種	Rabbit
特異性	ab32071 should recognise both pro-form and p85 cleaved-form of PARP1.
アプリケーション	適用あり: WB
種交差性	交差種: 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: Jurkat whole cell lysate.
特記事項	<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>

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. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 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 E78
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ab32071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
WB	★★★★★ (2)	1/1000. Detects a band of approximately 85, 116 kDa (predicted molecular weight: 113 kDa).

ターゲット情報

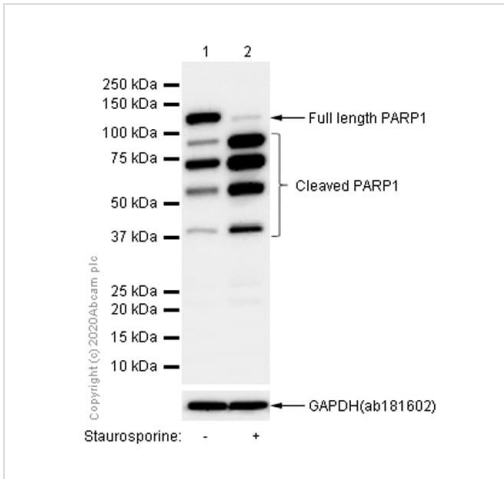
機能 Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. Mediates the poly(ADP-ribosyl)ation of APLF and CHFR. Positively regulates the transcription of MTUS1 and negatively regulates the transcription of MTUS2/TIP150.

配列類似性 Contains 1 BRCT domain.
Contains 1 PARP alpha-helical domain.
Contains 1 PARP catalytic domain.
Contains 2 PARP-type zinc fingers.

翻訳後修飾 Phosphorylated by PRKDC. Phosphorylated upon DNA damage, probably by ATM or ATR. Poly-ADP-ribosylated by PARP2. Poly-ADP-ribosylation mediates the recruitment of CHD1L to DNA damage sites.
S-nitrosylated, leading to inhibit transcription regulation activity.

細胞内局在 Nucleus.

画像



Western blot - Anti-PARP1 antibody [E78] (ab32071)

All lanes : Anti-PARP1 antibody [E78] (ab32071) at 1/1000 dilution (Purified)

Lane 1 : Untreated Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : Jurkat (Human T cell leukemia T lymphocyte) treated with 1 μM staurosporine for 4 hours whole cell lysate

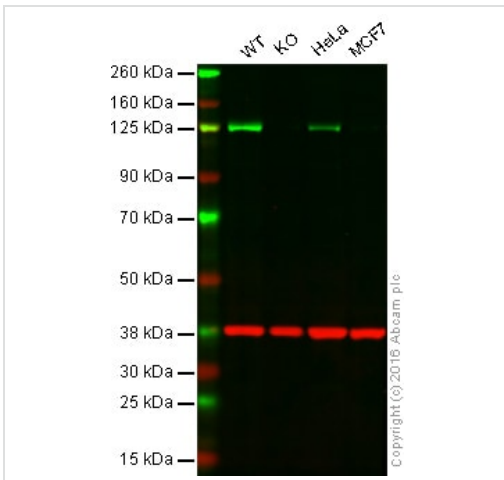
Lysates/proteins at 20 μg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 113 kDa

pro-form: 116kDa; p85 caspases cleaved form: 85kDa; proteolysis cleaved fragments: 71kDa, 55kDa and 42kDa



Western blot - Anti-PARP1 antibody [E78] (ab32071)

Lane 1 : Wild type HAP1 whole cell lysate (20 μg)

Lane 2 : PARP1 knockout HAP1 whole cell lysate (20 μg)


Lane 3 : HeLa whole cell lysate (20 μg)

Lane 4 : MCF7 whole cell lysate (20 μg)

Lanes 1 - 4: Merged signal (red and green). Green ab32071 observed at 125 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab32071 was shown to specifically react with PARP1 when PARP1 knockout samples were used. Wild-type and PARP1 knockout samples were subjected to SDS-PAGE. ab32071 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/10 000 dilution respectively. Blots were developed with 800CW Goat anti Rabbit and 680CW Goat anti Mouse secondary antibodies at 1/10000 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-PARP1 antibody [E78] (ab32071)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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