

Anti-PARP1 antibody [E78] ab32071

敲除验证
重组
RabMAb

★★★★★
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概述

产品名称	Anti-PARP1抗体[E78]
描述	兔单克隆抗体[E78] to PARP1
宿主	Rabbit
特异性	ab32071 should recognise both pro-form and p85 cleaved-form of PARP1.
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Jurkat whole cell lysate.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆

克隆编号	E78
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab32071于以下的经测试应用

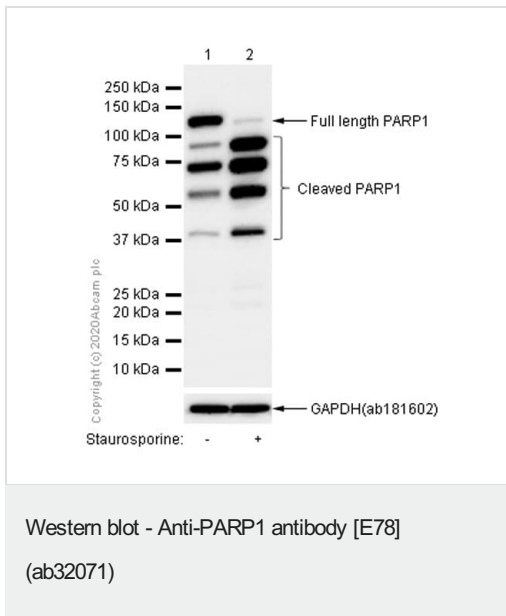
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (2)	1/1000. Detects a band of approximately 85, 116 kDa (predicted molecular weight: 113 kDa).

靶标

功能	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.
序列相似性	Contains 1 BRCT domain. Contains 1 PARP alpha-helical domain. Contains 1 PARP catalytic domain. Contains 2 PARP-type zinc fingers.
翻译后修饰	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.
细胞定位	Nucleus.

图片



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

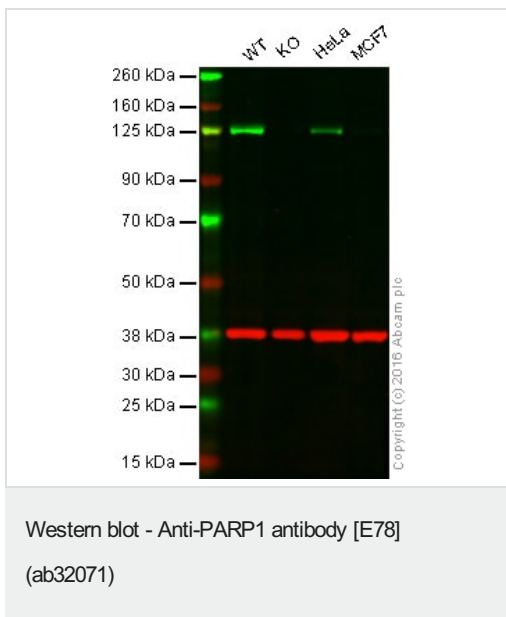
Lysates/proteins at 20 μg per lane.

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



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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