

### Anti-Cleaved PARP1 antibody ab4830

★★★★★ [4 Abreviews](#) [48 References](#) [3 图像](#)

#### 概述

产品名称	Anti-Cleaved PARP1抗体
描述	兔多克隆抗体to Cleaved PARP1
宿主	Rabbit
特异性	This antibody specifically recognizes the 85 kDa fragment of cleaved PARP1 and can be used as marker for detecting apoptotic cells. Cleavage site specific antibody, unconjugated. The antiserum was produced against a chemically synthesized peptide corresponding to the N-terminus of cleavage site (214/215) of human PARP1 and will recognize Asp 214 and Gly 215.
经测试应用	<b>适用于:</b> WB
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide corresponding to Human Cleaved PARP1. (Peptide available as <a href="#">ab10779</a> )
阳性对照	WB: THP1 Nuclear Enriched, HeLa Nuclear Enriched, KARPAS-299 and Daudi cell lysate. HeLa and Jurkat cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	<p>pH: 7.3</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol, 0.1% BSA</p> <p>BSA is IgG and protease free</p>

纯度	Immunogen affinity purified
纯化说明	Purified from rabbit serum by sequential epitope-specific chromatography. The antibody has been negatively preadsorbed using a peptide spanning the cleavage site to remove antibody that is reactive with full length PARP1. The final product is generated by affinity chromatography using a peptide corresponding to the PARP1 cleavage site.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab4830于以下的经测试应用

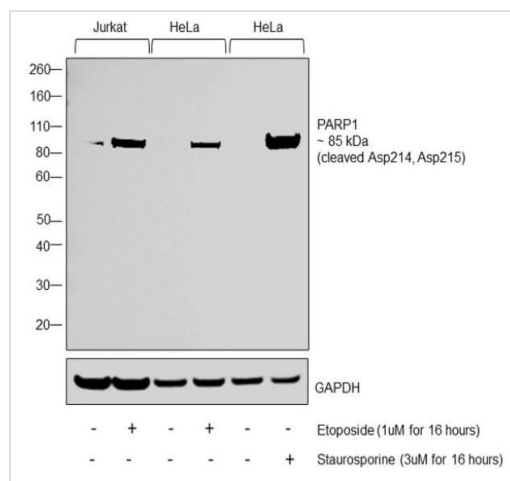
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (4)	1/1000. Detects a band of approximately 85 kDa (predicted molecular weight: 85 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. With EEF1A1 and TXK, forms a complex that acts as a T-helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production. Required for PARP9 and DTX3L recruitment to DNA damage sites. PARP1-dependent PARP9-DTX3L-mediated ubiquitination promotes the rapid and specific recruitment of 53BP1/TP53BP1, UIMC1/RAP80, and BRCA1 to DNA damage sites.
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 and TXK. 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. Nucleus, nucleolus. Localizes at sites of DNA damage.

图片



Western blot - Anti-Cleaved PARP1 antibody (ab4830)

**All lanes** : Anti-Cleaved PARP1 antibody (ab4830) at 1/1000 dilution

**Lane 1** : Jurkat cell lysate

**Lane 2** : Jurkat cells treated with Etoposide (1  $\mu$ M for 16 hours)

**Lanes 3 & 5** : HeLa cell lysate

**Lane 4** : HeLa cells treated with Etoposide (1  $\mu$ M for 16 hours)

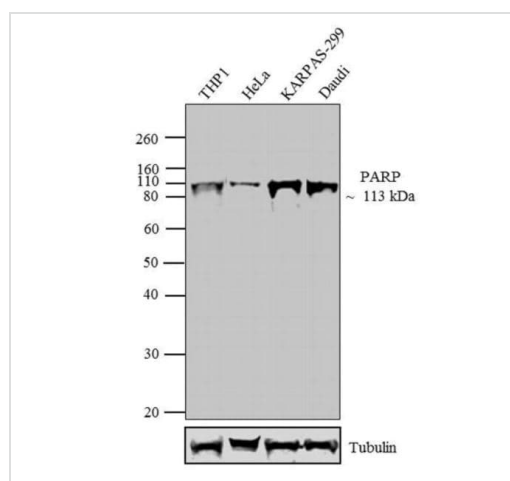
**Lane 6** : HeLa cells treated with Staurosporine (3  $\mu$ M for 16 hours)

Lysates/proteins at 40  $\mu$ g per lane.

## Secondary

**All lanes** : Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP at 1/14000 dilution

**Predicted band size:** 85 kDa



Western blot - Anti-Cleaved PARP1 antibody (ab4830)

**All lanes** : Anti-Cleaved PARP1 antibody (ab4830) at 1/2000 dilution

**Lane 1** : THP1 Nuclear Enriched

**Lane 2** : HeLa Nuclear Enriched

**Lane 3** : KARPAS-299

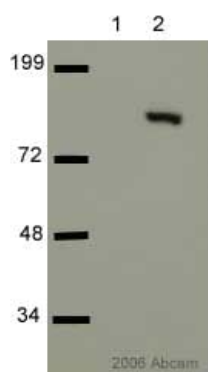
**Lane 4** : Daudi cell lysate

Lysates/proteins at 30  $\mu$ g per lane.

## Secondary

**All lanes** : Anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate at 1/2500 dilution

**Predicted band size:** 85 kDa



Western blot - Anti-Cleaved PARP1 antibody (ab4830)

This image is courtesy of an Abreview submitted by Adam Szadkowski on 26 January 2006.

**All lanes :** Anti-Cleaved PARP1 antibody (ab4830) at 1/1000 dilution

**Lane 1 :** Non-induced Jurkat cells

**Lane 2 :** Induced Jurkat cells

#### Secondary

**All lanes :** Goat Anti-Rabbit HRP

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 85 kDa

**Observed band size:** 85 kDa

**Exposure time:** 5 seconds

**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.cn/abpromise> or contact our technical team.

### Terms and conditions

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