

# Apoptosis Western Blot Cocktail (pro/p17-caspase-3, cleaved PARP1, muscle actin) ab136812

[30 References](#) [2 图像](#)

## 概述

产品名称	Apoptosis Western Blot Cocktail (pro/p17-caspase-3, cleaved PARP1, muscle actin)
种属反应性	<p><b>与反应:</b> Human</p> <p><b>不与反应:</b> Mouse, Rat</p>
产品概述	Cocktail of primary antibodies to detect apoptosis biomarkers caspase 3 and PARP, along with loading control muscle actin (42 kDa). The caspase 3 antibody (rabbit monoclonal) detects both the 32 kDa pro-caspase 3 as well as the p17 subunit of active caspase 3 generated by cleavage of the pro-caspase 3 at Asp175. The PARP antibody (mouse monoclonal) detects only the apoptosis-specific 89 kDa PARP fragment (cleaved-PARP) generated from the full length PARP by active caspases. Since the primary antibodies used are both mouse and rabbit, a secondary antibodies cocktail of GAM-HRP and GAR-HRP is provided.
说明	<p>The Apoptosis western blot cocktail (ab136812) is designed to study the induction of apoptosis in response to various stimuli. The two main components of this cocktail are monoclonal antibodies specific to caspase 3 and PARP. Caspase 3 is one of the executioner caspases activated by proteolytic cleavage during apoptosis. The rabbit caspase 3 antibody of this cocktail detects both the 32 kDa pro-caspase 3 as well as the p17 subunit of the active caspase 3 generated by cleavage of the pro-caspase 3 at Asp175. Thus the induction of apoptosis can be followed by a decrease of the pro-caspase 3 or by an increase of the p17 caspase 3. Monitoring the changes in the pro-caspase 3 is particularly advantageous, since the proportion of caspase activation can be determined from the reduction of the pro-form from analysis of control and stimulated samples. Poly [ADP-ribose] polymerase 1 (PARP) is a DNA repair enzyme that is cleaved during apoptosis by activated caspases. The mouse PARP antibody of this cocktail detects only the apoptosis-specific 89 kDa PARP fragment (cleaved-PARP). This antibody does not react with the full-length PARP. Combined, these two antibodies provide biomarkers of apoptosis. The rabbit muscle actin antibody is provided as a loading control for sample to sample normalization. Since the primary antibodies are both mouse and rabbit, the cocktail of HRP-conjugated goat anti-rabbit and anti-mouse secondary antibodies is provided for convenience. The targets are easily resolved by Western blot given their different molecular weights.</p>
经测试应用	<b>适用于:</b> WB

## 性能

存放说明	Store at +4°C. Please refer to protocols.
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组件	200 $\mu$ l
100X HRP Conjugated Secondary Antibody Cocktail	1 x 500 $\mu$ l
250X Primary Antibody Cocktail	1 x 200 $\mu$ l

## 应用

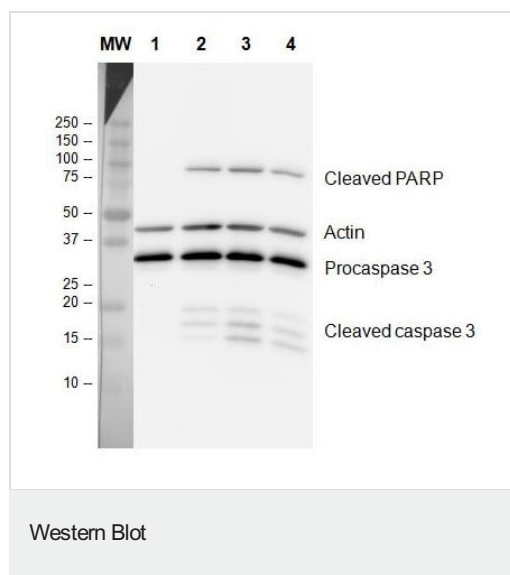
### The Abpromise guarantee

**Abpromise™**承诺保证使用ab136812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
<b>WB</b>		<p>Use at an assay dependent concentration.</p> <p>1/250 dilution for primary antibodies</p> <p>1/100 dilution for secondary antibodies</p> <p>Suggested dilution buffer: 5% milk/PBS+0.05% Tween 20</p>

## 图片



Lane 1: Jurkat cells, untreated

Lane 2: Jurkat cells treated with anti-FAS for 2 hours

Lane 3: Jurkat cells treated with anti-FAS for 4 hours

Lane 4: Jurkat cells treated with anti-FAS for 6 hours

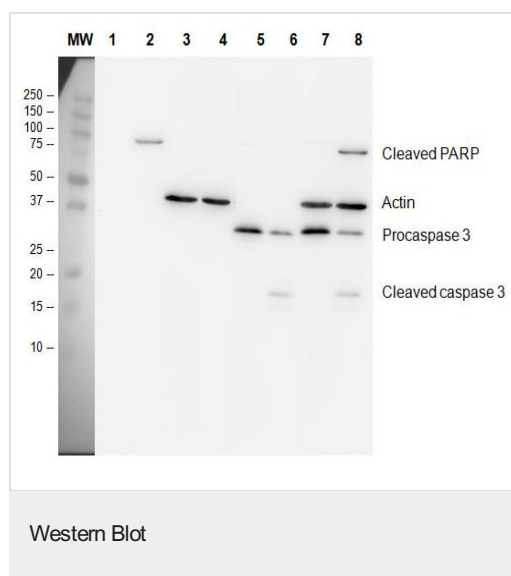
All lysates at 20  $\mu$ g/lane

Primary antibodies

All lanes: 250X Primary Antibodies Cocktail, 1/250 dilution.

Secondary antibodies

All lanes: 100X HRP-Conjugated Secondary Antibodies Cocktail (ab136812), 1/100 dilution.



Lanes 1, 3, 5, 7: (**ab136806**) HeLa, vehicle treated

Lanes 2, 4, 6, 8: (**ab136806**) HeLa, 1  $\mu$ M staurosporine

(**ab120056**), 4 hours

All lysates at 20  $\mu$ g per lane.

Primary antibodies

Lanes 1, 2: Cleaved PARP

Lanes 3, 4: Actin

Lanes 5, 6: Caspase 3

Lanes 7, 8: ab136812 250X Primary Antibodies Cocktail, 1/250 dilution

Secondary antibodies

All lanes: ab136812 100X HRP-Conjugated Secondary Antibodies Cocktail, 1/100 dilution.

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

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