abcam

Product datasheet

HeLa DNA Damage Whole Cell Lysate Set: UV Treated and Untreated Control ab157396

3 图像

概述

产品名称 HeLa DNA Damage全细胞裂解物Set: UV Treated and Untreated Control

种属反应性 **与反应:** Human

产品概述 UV light is a common source of DNA damage, and can lead to skin cancer and premature aging. Exposure to UV-B and UV-C light leads to the formation of pyrimidine dimers, and to a lesser extent, purine dimers and pyrimidine photophosphates. These dimerized DNA bases are typically removed by the nucleotide excision repair pathway. Failure to repair the damage can induce apoptosis by blocking DNA replication and transcription.

The UV-treated HeLa lysate is designed for use as a western blot positive control when studying UV-induced DNA damage and/or apoptosis. Cells were treated with UV-C light for 1 minute, then cultured for 4 hours before collecting for lysates. Untreated cells were grown under standard cell culture conditions for HeLa cells.

Samples are provided solubilized in an SDS-PAGE loading buffer, supplemented with reducing agent. This sample is ready for SDS-electrophoresis and acts as a positive control in Western blotting applications.

Concentration: HeLa UV-treated lysate, 200 µg at 2.0 mg/mL
HeLa untreated lysate, 200 µg at 2.0 mg/mL

经测试应用 **适用于:** WB

性能

存放说明 Store at -80°C. Please refer to protocols.

组件	2 units
Control for UV-Treated HeLa Lysate	1 x 200µg
UV-Treated HeLa Lysate	1 x 200µg

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab157396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		Use at an assay dependent concentration.

图片

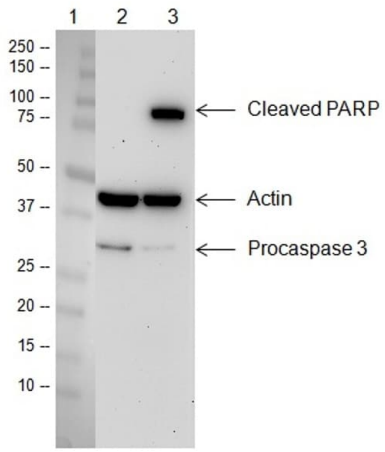

Figure 1. Western blot with

ab136812

Apoptosis Western Blot Cocktail

Lane 1: MW marker
Lane 2: Untreated HeLa lysate (ab157396)
Lane 3: UV-treated HeLa lysate (ab157396).
All lysates at 20 µg per lane.
Primary antibodies (all lanes): **ab136812** Apoptosis Western Blot Cocktail (pro/p17-caspase 3, cleaved-PARP, muscle actin) 1:250 dilution.
Secondary antibodies (all lanes): Goat polyclonal to Mouse IgG - HRP at 1:5000 dilution and Goat polyclonal to Rabbit IgG - HRP at 1:5000 dilution.
Developed using the ECL method.
Predicted band sizes: 89, 42, 32, 17 kDa
Observed band sizes: 89, 42, 32 kDa

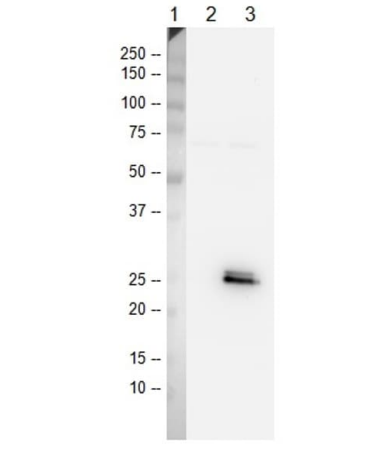

Figure 2. Western blot with

ab133981

Anti-Caspase 9 antibody

Lane 1: MW marker
Lane 2: Untreated HeLa lysate (ab157396)
Lane 3: UV-treated HeLa lysate (ab157396)
All lysates at 20 µg per lane.
Primary antibody (all lanes): **ab133981** Anti-Caspase 9 antibody at 2 µg/mL.
Secondary antibodies (all lanes): Goat polyclonal to Mouse IgG - HRP at 1:5000 dilution.
Developed using the ECL method.
Predicted band size: 35 kDa
Observed band size: 25 kDa

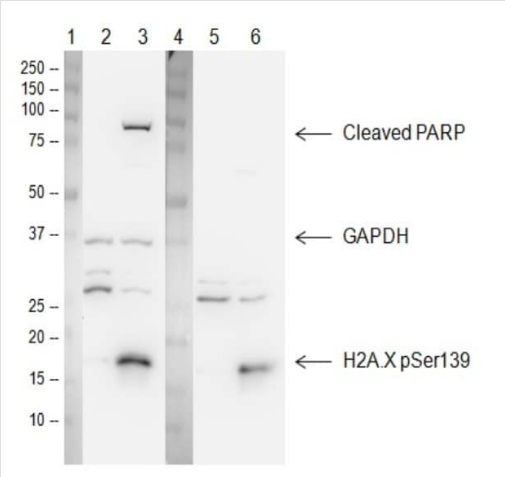

Figure 3. Western blot with

ab131385

Apoptosis and DNA Damage Western Blot Cocktail

Lanes 1, 4: MW marker

Lane 2: Untreated HeLa lysate (ab157396)

Lane 3: UV-treated HeLa lysate (ab157396).

All lysates at 20 µg per lane.

Primary antibodies:

Lanes 1-3: **ab131385** Apoptosis and DNA Damage Western Blot Cocktail (cleaved PARP, GAPDH, H2A.X pSer139) 1:250 dilution

Lanes 4-6: H2A.X pSer139 antibody.

Secondary antibodies (all lanes): Goat polyclonal to Mouse IgG - HRP at 1:5000 dilution.

Developed using the ECL method.

Predicted band sizes: 15, 36, 89 kDa

Other bands observed (from H2A.X pSer139 antibody, identities unknown): 25, 30 kDa

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