

Apoptosis and DNA Damage (H2A.X(S139) + cleaved PARP1 + Anti-GAPDH) Western Blot Cocktail ab131385

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製品の概要

製品名	Apoptosis and DNA Damage (H2A.X(S139) + cleaved PARP1 + Anti-GAPDH) Western Blot Cocktail
種交差性	交差種: Human 非交差種: Mouse, Rat
製品の概要	The Apoptosis and DNA Damage (H2A.X(S139) + cleaved PARP1 + Anti-GAPDH) Western Blot Cocktail (ab131385) is designed to study the induction of DNA damage and/or apoptosis in response to various stimuli. The two main components of this cocktail are monoclonal antibodies specific to cleaved-PARP1 and H2A.X phospho Ser139. H2A.X is a histone H2A family member that is phosphorylated and recruited to sites of double-strand DNA breaks. Poly [ADP-ribose] polymerase 1 (PARP1) is a DNA repair enzyme that is cleaved by activated caspases. Combined, these antibodies provide biomarkers of dsDNA breaks (H2A.X phospho Ser139) and apoptosis (cleaved-PARP1). An anti-GAPDH antibody is included as a loading control. These three readouts are easily resolved by western blot given their different molecular weights.
特記事項	Individual antibodies within the ab131385 cocktail: Mouse phospho-H2A.X (pSer139) [9F3] monoclonal, IgG Working concentration: 1 µg/ml Mouse cleaved-PARP1 [4B5BD2] monoclonal, IgG1 Working concentration: 1 µg/ml Mouse GAPDH [3E8AD9] monoclonal, IgG2b: Working concentration: 0.1 µg/ml
アプリケーション	適用あり: WB

製品の特性

保存方法 Store at -20°C. Please refer to protocols.

内容	200 µl
Antibody cocktail	1 x 100µg

細胞内局在 Cleaved PARP1: Nucleus. Nucleus, nucleolus. Localizes at sites of DNA damage. Histone

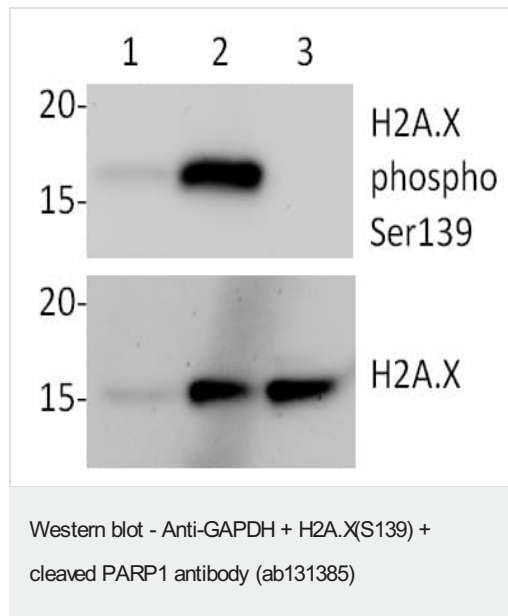
H2A.X: Nucleus. Chromosome. GAPDH: Cytoplasm > cytosol. Nucleus. Cytoplasm > perinuclear region. Membrane. Translocates to the nucleus following S-nitrosylation and interaction with SIAH1, which contains a nuclear localization signal (By similarity). Postnuclear and Perinuclear regions.

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ab131385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		1/250. Predicted molecular weight: 15, 36, 89 kDa. (Entire WB procedure to be done in 4% milk/PBS. Note that pH2A.X is ~16 kDa, hence do not run the SDS-PAGE gel too long. Use anti-Mouse-HRP secondary antibody.)

画像



All lanes :

Top panel: H2A.X (pSer139) antibody at 1 µg/mL.

Bottom panel: total H2A.X antibody at a 1/2000 dilution

Lane 1 : Jurkat cell lysate, untreated

Lane 2 : Jurkat cell lysate, 4h post UV exposure

Lane 3 : Jurkat cell lysate, 4h post UV exposure, treated with phosphatase

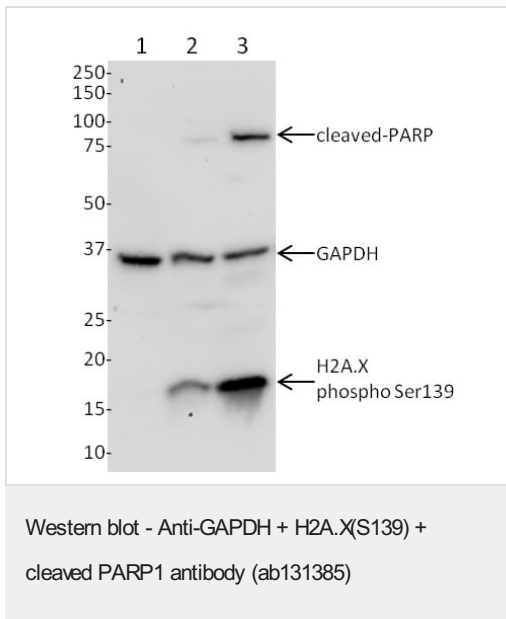
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Top panel: Goat anti Mouse HRP at a 1/3000 dilution

Bottom panel: Goat anti Rat HRP at a 1/3000 dilution

Predicted band size: 15, 36, 89 kDa



All lanes : Apoptosis and DNA Damage (H2A.X(S139) + cleaved PARP1 + Anti-GAPDH) Western Blot Cocktail (ab131385) at 1/250 dilution (DNA Damage and Apoptosis cocktail (**ab131384**))

Lane 1 : HeLa cell lysate, untreated

Lane 2 : HeLa cell lysate, 20 μM Camptothecin 4h treatment

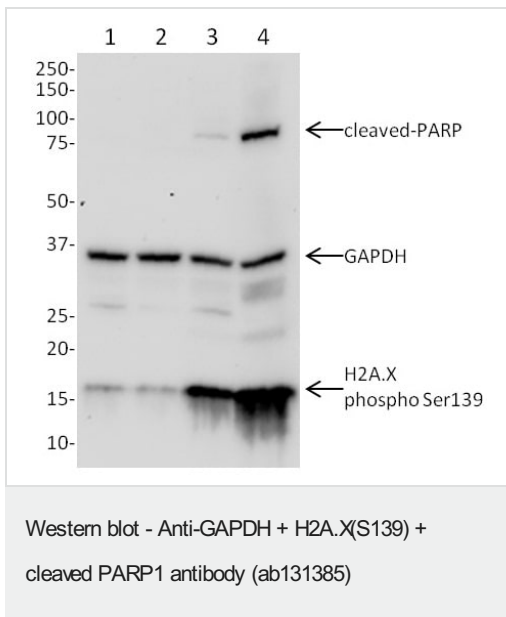
Lane 3 : HeLa cell lysate, 1 μM Staurosporin 4h treatment

Lysates/proteins at 15 μg per lane.

Secondary

All lanes : Goat anti Mouse HRP at 1/3000 dilution

Predicted band size: 15, 36, 89 kDa



All lanes : Apoptosis and DNA Damage (H2A.X(S139) + cleaved PARP1 + Anti-GAPDH) Western Blot Cocktail (ab131385) at 1/250 dilution (Damage and Apoptosis cocktail (**ab131384**))

Lane 1 : Jurkat cell lysate, untreated

Lane 2 : Jurkat cell lysate, 1h post UV exposure

Lane 3 : Jurkat cell lysate, 2h post UV exposure

Lane 4 : Jurkat cell lysate, 4h post UV exposure

Lysates/proteins at 20 μg per lane.

Secondary

All lanes : Goat anti Mouse HRP at 1/3000 dilution

Predicted band size: 15, 36, 89 kDa

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