abcam

Product datasheet

Apoptosis DNA Ladder Assay Kit ab66090

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製品の概要

製品名	Apoptosis DNA Ladder Assay Kit
サンプルの種類	Adherent cells, Suspension cells
アッセイタイプ	Direct
全工程の試験時間	1h 30m
製品の概要	Apoptosis DNA Ladder Assay Kit (ab66090) provides an easy and sensitive solution for detecting DNA fragmentation in apoptotic cells. It can isolate small fragmented DNA from cells in only 90 minutes. No DNA extraction or additional columns required. Apoptosis DNA ladder assay protocol summary: - pellet cells by spinning - wash cells with PBS and spinning - lyse cells with TE lysis buffer and pipetting - add enzyme A solution and incubate for 10 min - add enzyme B solution and incubate for 30 min - add ammonium acetate solution, isopropanol and freeze for 10 min - spin to preciptate DNA - wash pellet with 70% ethanol, air-dry and dissolve in DNA suspension buffer - run on agarose gel and visualize with DNA staining dye
特記事項	This product is manufactured by BioVision, an Abcam company and was previously called K120 Quick Apoptotic DNA Ladder Detection Kit. K120-50 is the same size as the 50 test size of ab66090. For more apoptosis assays, review the **apoptosis assay and apoptosis marker guide**.

製品の特性

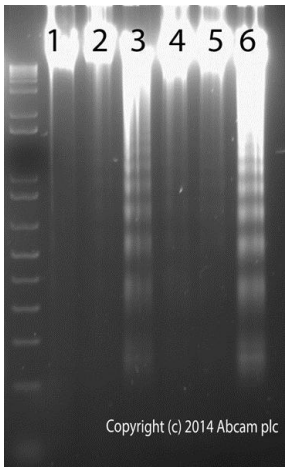
保存方法	Store at -20°C. Please refer to protocols.

内容	50 tests
Ammonium Acetate/Glycogen	1 x 250µl
DNA Suspension Buffer	1 x 1.5ml

内容	50 tests
Enzyme A Solution	1 x 250µl
Enzyme B Mix	1 vial
Lysis Buffer III	1 x 1.8ml

関連性 Internucleosomal DNA fragmentation is a hallmark of apoptosis in mammalian cells.

画像



Functional assays: Apoptotic DNA Ladder Detection Kit (ab66090)

Apoptosis was induced in 10e6 Jurkat cells by treatment with 10 µM Camptothecin (CPT) (**ab120115**) for 4 hours (2, 5) or 2 µM CPT for 24 hours (3, 6) whilst control cells were kept without treatment (1, 4). DNA was extracted and resuspended in 60 uL resuspension buffer. 10 uL (1-3) or 40 uL (4-6) were loaded onto the agarose gel.

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