Trident Nuclear Protein Extraction Kit

Cat. No. GTX16374

Application	WB

Package
20 test, 5 test

APPLICATION

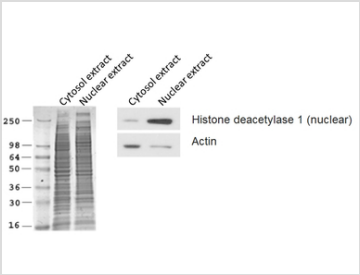
Application Note

1. Read the entire protocol carefully.
2. Protease inhibitors is not necessary prior to extraction. However if downstream application takes significant amounts of time or the protein extract will be stored for longer period of time, the addition of protease inhibitors to extracted lysate buffer is recommended.
3. The nuclear extraction buffer contains 300 mM salt, for some applications, dilution or desalting of the extract may be needed.
4. The capacity of protein extraction filter cartridge is 500 µL. Multiple filter cartridges can be used if larger amount of cell lysate is processed.
5. To study protein phosphorylation, phosphatase inhibitors should be added to lysis buffer prior to use.

PROPERTIES

Storage	Store at 4ºC.
Note	For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Spin column-based protein extraction and cell fractionation technologies were developed by Invent Biotechnologies, Inc.

DATA IMAGES



GTX16374 WB Image

293T cells' cytoplasmic and nuclear proteins were extracted by 8-min. Cytoplasmic & Nuclear Protein Extraction Kit (Cat.# GTX16374).Courtesy of a GeneTex collaborating partner
A. SDS-PAGE gel shows the profiles of extracted cytoplasmic proteins and nuclear proteins.
B. The proteins from the gel were transferred to nitrocellulose membrane and probed with Histone deacetylase 1 (HDAC1) antibody (nuclear marker) and Actin antibody (cytoplasmic marker).

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