Product datasheet

Nuclear Extraction Kit ab113474

Overview

Product name: Nuclear Extraction Kit
Sample type: Tissue, Adherent cells, Suspension cells
Assay time: 1h 00m
Species reactivity: Reacts with: Mouse, Human
Predicted to work with: Mammal

Product overview

Nuclear Extraction Kit (ab113474) provides a simple and selective method along with all necessary reagents for extracting nuclear proteins in just 1 hour for a variety of applications such as western blotting, protein-DNA binding assays, nuclear enzyme assays or any other procedures requiring optimized nuclear proteins. The protocol is fast and easy-to-use, and also isolates very abundant yields of nuclear extract from mammalian cells or tissue samples.

We recommend our alternative Soluble / Insoluble Nuclear Extraction kit to extract separate fractions of soluble and insoluble proteins.

Not sure if this is the right product for you? Check out our EpiSeeker Sample Preparation Guide for help.

Compared to other kits that use conventional nuclear extraction methods, the buffers included in ab113474 contain much lower amounts of salts (80% less than conventional kits) and no SDS, which would allow the enzyme activity to be better kept in the nuclear extracts.

Notes

Tested applications

Suitable for: Functional Studies

Properties

Storage instructions: Store at +4°C. Please refer to protocols.

Components

<table>
<thead>
<tr>
<th>Component</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000X Protease Inhibitor Cocktail</td>
<td>1 x 110µl</td>
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</tbody>
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32 References  1 Image
Components

<table>
<thead>
<tr>
<th></th>
<th>100 tests</th>
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<tbody>
<tr>
<td>10X Pre-Extraction Buffer</td>
<td>1 x 10ml</td>
</tr>
<tr>
<td>DTT Solution (1000X)</td>
<td>1 x 110µl</td>
</tr>
<tr>
<td>ENE2 (Extraction Buffer)</td>
<td>1 x 10ml</td>
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Applications

Our Abpromise guarantee covers the use of ab113474 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional Studies</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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</tbody>
</table>

Images

Nuclear extracts were prepared from MCF-7 cells and the activity of HDACs were measured using different amounts of the extract. The result shown in the figure demonstrates the ab113474's high specificity.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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