Product name: Nuclear Extraction Kit
Sample type: Tissue, Adherent cells, Suspension cells
Assay time: 1h 00m
Product overview:
Nuclear Extraction Kit (ab113474) provides a simple and selective method along with all necessary reagents for nuclear protein extraction / nuclear protein fractionation in just 1 hour.

The extracts can then be used in 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 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 / nuclear fractionation methods, the buffers included in ab113474 contain much lower amounts of salts (80% less than conventional kits) and no SDS, which allows much better retention of enzyme activity in the nuclear extracts.

Notes

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

Components

<table>
<thead>
<tr>
<th>Components</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000X Protease Inhibitor Cocktail</td>
<td>1 x 110µl</td>
</tr>
<tr>
<td>10X Pre-Extraction Buffer</td>
<td>1 x 10ml</td>
</tr>
</tbody>
</table>
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.

**Components**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTT Solution (1000X)</td>
<td>1 x 110µl</td>
</tr>
<tr>
<td>ENE2 (Extraction Buffer)</td>
<td>1 x 10ml</td>
</tr>
</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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