abcam

Product datasheet

# Native lysis Buffer ab156035

★★★★★ 1 Abreviews 1 Image

## Overview

| | |
|---|---|
| **Product name** | Native lysis Buffer |
| **Tested applications** | **Suitable for:** WB, Sandwich ELISA, SDS-PAGE, IP |
| **General notes** | Abcam's 1X Native lysis buffer is an efficient means of cell lysis and protein solubilization for both adherent and suspension cultured mammalian cells. This reagent extracts cytoplasmic, nuclear and membrane proteins. The detergent used in this buffer is relatively gentle and in many cases allows solubilization of protein complexes that retain enzymatic activity. On the flip side, the gentle nature of this lysis buffer means that it may result in extractions that are less complete than lysis buffers using more stringent detergents (e.g. **ab156034**). Native lysis buffer is compatible with many downstream applications, including enzyme activity assays, SDS-PAGE, Western blot, immunoprecipitation, ELISA and BCA assays. |

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Store at +4°C. |
| **Storage buffer** | pH: 7.50<br>Constituents: 0.02% Beta glycerophosphate, 0.02% Sodium orthovanadate, 0.04% EGTA, 0.6% HEPES, 0.03% EDTA, 0.58% Sodium chloride, 1.5% Dodecyl maltoside, 0.11% Sodium pyrophosphate decahydrate |

## Applications

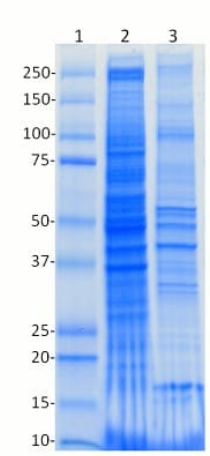
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab156035 in the following tested applications.

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

| Application | Abreviews | Notes |
|---|---|---|
| **WB** | | Use at an assay dependent concentration. |
| **Sandwich ELISA** | | Use at an assay dependent concentration. |
| **SDS-PAGE** | | Use at an assay dependent concentration. |

| Application | Abreviews | Notes |
|---|---|---|
| **IP** | | Use at an assay dependent concentration. |

## Images




SDS-PAGE - Native lysis Buffer (ab156035)

**HeLa cell extraction using ab156035.**
**2.5 million HeLa cells were lysed on ice for 15 minutes with 0.5 mL of 1X ab156035. Next the sample was centrifuged at 14,000 rpm at 4ºC for 15 minutes: the supernatant ( = cleared lysate) was removed and the pellet ( = insoluble material) was resuspended in 0.5 mL lysis buffer and solubilized by sonication. Equivalent loads of the cleared lysate and solubilized pellet were analyzed by SDS-PAGE and Coomassie stain.**
**BCA protein concentration determination of the soluble and insoluble material indicates that a total of 1.15mg of protein was recovered and 70% was in the soluble cleared cell lysate.**

**Lane 1: MW marker**
**Lane 2: Cleared lysate**
**Lane 3: Non-soluble**

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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