

# Rat brain cerebrum tissue lysate - total protein ab4033

## Overview

**Product name** Rat brain cerebrum tissue lysate - total protein

**General notes** Source: Outbred Sprague Dawley Albino rat.

Rat cerebrum tissue lysate was prepared by homogenization in modified RIPA buffer (50 mM Tris-HCl, pH 7.4, 1% Triton X-100, 0.2% sodium deoxycholate, 0.2% sodium dodecylsulfate (SDS), 1 mM sodium ethylenediaminetetraacetate, 1 mM phenylmethylsulfonyl fluoride, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Tissue and cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The tissue lysate was boiled for 5 min in 1 x SDS sample buffer (0.045 M Tris-HCl pH 6.8, 10% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue), containing 0.05 M DTT.

**Tested applications** **Suitable for:** WB

## Properties

**Mycoplasma free** Yes

**Form** Liquid

**Storage instructions** Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

**Storage buffer** pH: 7.20  
Constituent: 100% SDS Sample Buffer

**Lysate notes** Rat cerebrum tissue lysate was prepared by homogenization in modified RIPA buffer (50 mM Tris-HCl, pH 7.4, 1% Triton X-100, 0.2% sodium deoxycholate, 0.2% sodium dodecylsulfate (SDS), 1 mM sodium ethylenediaminetetraacetate, 1 mM phenylmethylsulfonyl fluoride, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Tissue and cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The lysate was boiled for 5 min in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% SDS, 0.01% bromophenol blue) containing 5% Beta-mercaptoethanol.

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab4033 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. Ready to load; 10-20 µg/lane is recommended for mini gel.

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

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