

## Product datasheet

# A-431 whole cell lysate ab7909

## 2 References

### Overview

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**Product name** A-431 whole cell lysate

**General notes** Cell line: A431 (Human epidermoid carcinoma).  
Growth media: DMEM and 10% FBS.

A431 cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodium chloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediaminetetraacetic acid, 1 mM phenylmethylsulfonyl flouride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The cell 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

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**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** A431 cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodium chloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediaminetetraacetic acid, 1 mM phenylmethylsulfonyl flouride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol.

**Background** A431 cells are a positive control for EGFR as they express high levels of EGFR. They also used for cell cycle studies and can be stimulated with EGF to stimulate EGFR and are therefore a very useful model to study EGFR downstream signalling cascades eg shc, src, MAPK.

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab7909 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 on SDS-PAGE for Western blotting, 20 µg per 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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