



10 Old Barn Road · Lake Placid, NY 12946  
Technical Support: T: 800 548-7853 · F: 781 890-7738  
email: [techserv@upstatebiotech.com](mailto:techserv@upstatebiotech.com)  
Sales Department: T: 800 233-3991 · F: 781 890-7738  
[www.upstatebiotech.com](http://www.upstatebiotech.com)

### *Product Description*

## **EGF-Stimulated A431 Cell Lysate**

(human carcinoma cell line)

Catalog # 12-302

Lot # 19452

**Product Description:** Cellular protein preparation from A431 cells containing phosphorylated proteins, including the EGF receptor. A431 cells were cultured for 20 minutes in the presence of 50ng/ml EGF. Cells were lysed in modified RIPA buffer (50mM Tris-HCl, pH 7.4, 1% NP40, 0.25% sodium deoxycholate, 150mM NaCl, 1mM EGTA, 1mM PMSF, 1µg/ml aprotinin, 1µg/ml leupeptin, 1µg/ml pepstatin, 1mM Na<sub>3</sub>VO<sub>4</sub>, 1mM NaF) and diluted with non-reducing sample buffer (31mM Tris-HCl, pH 6.8, 5% glycerol, 1% SDS, 0.002% bromphenol blue).

**Formulation:** 100µg protein preparation in 100µl of RIPA/non-reducing sample buffer. Concentration: 1µg/µl. Frozen solution.

**Storage and Stability:** Stable for 6 months at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

**Use:** Add 2.5µl of 2-mercaptoethanol/100µl of lysate and boil for 5 minutes to reduce the preparation. Load 20µg of reduced lysate per lane for immunoblot analysis. This preparation may be used as a positive control for some of Upstate Biotechnology's antibodies.

**FOR RESEARCH USE ONLY  
NOT FOR USE IN HUMANS**