

**Phosphorylated A431 Protein Preparation
(in RIPA Buffer)**

Catalog # 12-110

Lot # 16038

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-Cl, 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 Na₃VO₄, 1mM NaF).

Quantity and Formulation: 1mg provided in 2 vials, each containing 500µg/250µl for a final concentration of 2.0µg/µl protein.

Physical Form: Frozen solution.

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

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

Quality Control Testing and Research Applications

Positive Control for Western Immunoblot Analysis: This preparation was tested by using anti-phosphotyrosine monoclonal antibody at 1µg/ml (Catalog # 05-321) to detect the phosphorylated EGF receptor (170kDa) and other tyrosine phosphorylated proteins in 10-50µg of the preparation.

Immunoprecipitation Positive Control: This preparation may also be used for immunoprecipitation with anti-phosphotyrosine agarose (Catalog # 16-101).

Note: This protein preparation may also be used as positive control for other Upstate Biotechnology Inc. antibodies.