

Certificate of Analysis

Phosphotyrosine Control (EGF-stimulated A431 cell lysate) Catalog # 12-110 Lot # DAM1497987

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 (Catalog # 01-107). Cells were lysed in modified RIPA buffer (50mM Tris-HCl, pH 7.4, 1% NP40, 0.25% sodium deoxycholate, 150mM NaCl, 1mM EDTA, 1mM PMSF, 1µg/ml aprotinin, 1µg/ml leupeptin, 1µg/ml pepstatin, 1mM Na₃VO₄, 1mM NaF).

Formulation: 1mg of cell lysate provided in 2 vials, each vial containing 500µg in 250µl of RIPA sample buffer. Concentration: 2µg/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.

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

Quality Control Testing

Positive Control for Immunoblot Analysis: 20µg of this lot of preparation was tested by using 0.5-2µg/ml monoclonal anti-phosphotyrosine, clone 4G10[®] (Catalog # 05-321) to detect the phosphorylated EGF receptor (Mr 170kDa) and other tyrosine phosphorylated proteins.

Use: For immunoblot analysis, add an equal volume of Laemmli reducing sample buffer to 5-25µl of lysate and boil for 5 minutes to reduce the preparation.

Additional Research Applications

Immunoprecipitation Positive Control: This preparation may also be used for immunoprecipitation with anti-phosphotyrosine, clone 4G10[®], agarose conjugate (Catalog # 16-101).

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

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.