

Certificate of Analysis

Phosphotyrosine Control (EGF-stimulated A431 cell lysate) Catalog # 12-110 Lot # DAM1394823

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.