



10 Old Barn Road · Lake Placid, NY 12946
Technical Support: T: 800 548-7853 · F: 781 890-7738
email: techserv@upstatebiotech.com
Sales Department: T: 800 233-3991 · F: 781 890-7738
Licensing Dept.: 800 310-4659
www.upstatebiotech.com

Positive Antigen Controls

Non-Stimulated A431 Cell Lysate
EGF-Stimulated A431 Cell Lysate
Jurkat Cell Lysate
3T3 Cell Lysate

Catalog # 12-301

Catalog # 12-302

Catalog # 12-303

Catalog # 12-305

Product Description: Cellular protein preparation. Cells were lysed in modified RIPA buffer (50mM Tris-HCl, pH 7.4, 1% NP40, 0.25% sodium deoxy-cholate, 150mM NaCl, 1mM EGTA, 1mM PMSF, 1µg/ml aprotinin, 1µg/ml leupeptin, 1µg/ml pepstatin, 1mM Na₃VO₄, 1mM NaF) and **diluted with non-reducing sample buffer** (31mM Tris-HCl, pH 6.8, 5% glycerol, 1% SDS, 0.002% bromphenol blue).

Quantity and Formulation: 100µg in 100µl of RIPA diluted with non-reducing sample buffer. Concentration: 1mg/ml. 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**

HeLa Nuclear Extract

Catalog # 12-309

Product Description: Nuclear extract prepared from human HeLa cells using a modified protocol of Dignam, *et al.*, which contains a variety of DNA binding proteins and transcription factors.

Quantity and Formulation: 50mg in 25ml of RIPA buffer. Concentration: 2mg/ml. Frozen solution.

Use: Add an equal volume of Laemmli reducing sample buffer to 5-10µl of lysate and boil for 5 minutes to reduce the preparation. Load 10-20µg of reduced lysate per lane for immunoblot analysis. This preparation may be used as a positive control for some of Upstate Biotechnology's antibodies.

Storage and Stability: Stable for 6 months at -70°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**

Reference:

Dignam, J.D., *et al.*, Nucl. Acids Res. 11: 1475-1489, 1983.