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Positive Antigen Controls

HeLa Nuclear Extract

Catalog # 12-309

Lot # 0612047228

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.

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

Quantity and Formulation: 50 μ g in 25 μ L of RIPA buffer containing inhibitors. Concentration: 2 mg/mL. Frozen solution.

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* (1983). Accurate transcription initiation by RNA polymerase II in a soluble extract from isolated mammalian nuclei. *Nucleic Acids Res* 11: 1475-89.