



3T3 Cell Lysate

Product Specifications	
Catalog Number:	LYC-3T100
Protein Species:	Mouse
Application Notes: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB Control: 20 µg/lane <i>This lysate is useful as an internal positive control in immunoblotting studies. The recommended shelf life from date of receipt of lysate is 6 months.</i>
Format:	3T3 cell extract at 2mg/mL in SDS PAGE sample buffer (40 Mm Tris-HCl, pH. 8.8, 1% SDS, 50 mM DTT, 7.5% glycerol, 0.003% Bromophenol Blue), heated for 10 min at 70°C
Storage: <i>Shipping conditions may differ from the recommended storage temperature</i>	Store at -70°C. For optimal storage, aliquot to smaller portions and store at -70°C. Avoid repeated freeze/thaw cycles.
Related Products:	
LYC-3T101	3T3 Cell Lysate (Heat Shocked)
905-775	eEF2 (phospho-Thr56) Polyclonal Antibody
905-776	Cyclin D1 Monoclonal Antibody (DCS6)
905-773	Akt (phospho-Ser473) Polyclonal Antibody
905-770	Chk1 Monoclonal Antibody (2G1D5)
905-769	LSD1/AOF2 Monoclonal Antibody (1B2F2)

Production Method:

3T3 cells were maintained in Dulbecco's modified Eagle's medium with 4 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate and 4.5 g/L glucose, 90%; bovine calf serum, 10%. Cells were collected from media by centrifuging at 1200 rpm at 4°C in a Beckman GS-6R centrifuge for 7 minutes. Cells were washed twice in PBS and were lysed in M-PER Mammalian Protein Extraction Reagent (Pierce catalog# 78501) with a protease inhibitor cocktail. Cell lysate was adjusted to 2mg/mL in SDS PAGE sample buffer (40 mM Tris-HCl pH 6.8, 1% SDS, 50 mM DTT, 7.5% glycerol, 0.003% bromphenol blue) and heated for 10 min at 70°C.

Background:

The 3T3 cell line is a spontaneously immortalized mouse fibroblast cell line established from Swiss mouse embryonic tissue¹.

References:

1. Todaro, G.J. and Green, H. (1963) J Cell Biol. **17**, 299-313.