



PC-12 Cell Lysate

Product Specifications	
Catalog Number:	LYC-PC100
Protein Species:	Rat
Application Notes: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB: 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:	PC-12 cell extract at 2mg/mL in SDS PAGE sample buffer (40 Mm Tris-HCl, pH. 6.8, 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-PC101	PC-12 Cell Lysate (Heat Shocked)
905-678	Src Monoclonal Antibody (5A18)
905-679	GSK-3β Polyclonal Antibody

Production Method:

PC-12 cells were maintained in Ham's F12K medium with 2 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate, 82.5%; horse serum, 15%; fetal bovine serum, 2.5%. 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 2 mg/mL in SDS PAGE sample buffer (40 mM Tris-HCl, pH 6.8, 1% SDS, 50 mM DTT, 7.5% glycerol, 0.003% Bromophenol blue), and heated for 10 min at 70°C.

Background:

The PC-12 cell line was derived from a transplantable rat adrenal pheochromocytoma¹.

References:

1. Greene, L.A. and Tischler, A.S. PNAS USA. **73**, 2424-2428.