

PC-3 Pervanadate Control Lysate

Cat. # PL9651

Size 100 μ l

Lysate Preparation:

Pervanadate is a protein tyrosine phosphatase inhibitor that is commonly used to increase tyrosine phosphorylation in cells. When cells are treated with pervanadate for 30 minutes they undergo significant tyrosine phosphorylation, as shown by western blotting using anti-Phosphotyrosine (PP2221).

Confluent cultures of PC-3 prostate adenocarcinoma cells were serum starved for 2 hrs, then either left untreated (Cat.# PL9651) or treated with pervanadate (1 mM) for 30 minutes at 37°C (cat.# PL9661). Cells were lysed in 1% SDS, 1.0 mM sodium orthovanadate, 10 mM Tris (pH 7.4) buffer. Protein concentration was determined using the BCA method (Pierce) before diluting to final concentration and buffer.

Buffer and Storage:

Cell Lysates are supplied at a concentration of 1 mg/ml in electrophoresis sample buffer (62.5 mM Tris pH 6.8, 2% SDS, 5% glycerol, 0.003% bromophenol blue, 0.9% β -mercaptoethanol). Store at -20°C . Do not boil or dilute. Stable for 1 year.

Applications:

WB 20 μ l/lane

End user should determine optimal quantity for their particular applications and experiments.

Related Products:

PL9661 PC-3 + Pervanadate Lysate
PL9631 PC-3 Calyculin A Control Lysate
PL9641 PC-3 + Calyculin A Lysate
PM3801 Anti-Phosphoserine/threonine Mouse Monoclonal
PP2551 Anti-Phosphoserine/threonine Rabbit Polyclonal
PP3951 Prion Protein (Ser-43), phospho-specific Rabbit Polyclonal

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