

A431 EGF Control Lysate

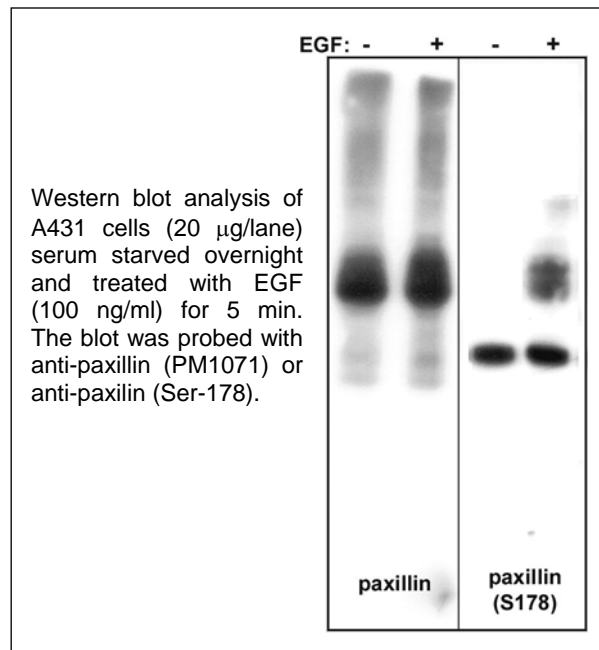
A431 + EGF (5min) Lysate

Cat. # AL9201 (Control)
Cat. # AL9301 (EGF 5')
Size 100µg each

Background:

A431 cells express approximately 10^6 epidermal growth factor (EGF) receptors at the cell surface. Upon stimulation with EGF, A431 cells exhibit a dramatic increase in phosphorylation of EGF receptors followed by activation of major cell signaling pathways, such as PKB/Akt and MAP kinase pathways. Downstream of these cell signaling pathways, a variety of cytoskeletal, cytoplasmic, and nuclear proteins become phosphorylated at different time points after EGF stimulation.

Confluent cultures of A431 cells were serum starved overnight. Cells were then either left untreated (Cat. # AL9201) or treated with human EGF (100 ng/ml) for 30 minutes at 37°C (Cat. # AL9301). Cells were lysed in 1% SDS, 1.0 mM sodium ortho-vanadate, 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 1mg/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:

SDS-PAGE/Western blotting 20µl/well

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

Related Products:

AL9001 A431 Calyculin A Control Lysate
AL9101 A431 + Calyculin A (30min) Lysate
AL9401 A431 Pervanadate Control Lysate
AL9501 A431 + Pervanadate Lysate
BL7001 Neonatal Rat Brain Lysate

EL7201 Human Endothelial Pervanadate Control Lysate
EL7301 Human Endothelial + Pervanadate Lysate
JL9401 Jurkat Pervanadate Control Lysate
JL9501 Jurkat + Pervanadate Lysate

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