

A431 Calyculin A Ctrl Lysate

Cat. # AL9001

Size 100 μ l

Lysate Preparation:

Calyculin A is a serine/threonine phosphatase inhibitor that inhibits the activity of protein phosphatases PP1 and PP2A. Human carcinoma A431 cells treated with calyculin A for 30 minutes can undergo significant threonine phosphorylation, as shown by western blotting using anti-Phospho-Akt (Thr-34), cat.# AP1001, as compared to untreated, control cell lysates.

Confluent cultures of A431 cells were serum starved overnight. Cells were then either left untreated (Cat.# AL9001) or treated with Calyculin A at a final concentration of 100 nM for 30 minutes at 37°C (Cat. #AL9101). Cells were lysed in 1% SDS, 1.0 mM sodium ortho-vanadate, 1 mM sodium fluoride, 10 mM Tris (pH 7.4) buffer. Protein concentration was determined using the BCA method (Pierce) before diluting to final concentration and buffer.

Applications:

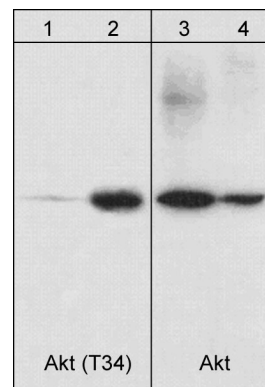
WB 20 μ l/lane

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

Related Products:

AL9101 A431 + Calyculin A (30min) Lysate
AL9201 A431 EGF Ctrl Lysate
AL9301 A431 + EGF (5min) Lysate
AL9401 A431 Pervanadate Ctrl Lysate
AL9501 A431 + Pervanadate Lysate

Application Data:



Western blot analysis of A431 cells (20 μ g/lane) serum starved overnight (lanes 1 & 3) and Calyculin A (100 nM) treated for 30 minutes (lanes 2 & 4). The blot was probed with anti-phospho-Akt (Thr-34) (lanes 1 & 2) or anti-Akt (lanes 3 & 4).

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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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