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## PC-3 Whole Cell Lysate

**Catalog No:** CL-66-1216

**Size:** 100 µg

**Cell line:** PC-3 (Human prostate adenocarcinoma)

**Source:** Human (62yrs, Male) bone metastasis of a grade IV prostatic adenocarcinoma

**Growth media:** DMEM/Hams F12 & 10% NCS (Newborn Calf serum)

### **Cell lysate preparation:**

PC-3 (Human prostate adenocarcinoma) cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodium chloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediaminetetraacetic acid, 1 mM phenylmethylsulfonyl fluoride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The cell lysate was boiled for 5 min in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% β-mercaptoethanol.

### **Application:**

PC-3 (Human prostate adenocarcinoma) cell lysate is ready to load on SDS-PAGE for Western blotting, 20 µg per lane is recommended for mini gel.

### **Storage:**

It is supplied as whole cell lysate, 100 µg per vial at 100 µg at 2 mg/ml, in 1 x SDS sample buffer containing 5% β-mercaptoethanol. Storage at -20°C will be stable for three months, storage at -70°C will be stable for one year.

### **Usage:**

This item is for LABORATORY RESEARCH USE ONLY.

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