

Product datasheet

U-87 MG nuclear extract lysate ab14903

Overview

Product name	U-87 MG nuclear extract lysate
General notes	Extracts have been quality control tested by Western blot and the Electrophoretic Mobility Shift Assay (EMSA).

Properties

Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.90 Constituents: 0.75% Potassium chloride, 0.009% PMSF, 0.01% Magnesium chloride, 0.008% DTT, 0.48% HEPES, 20% Glycerol

Background	Glioblastoma is the highest dedifferentiated form of astrocytic brain tumours, and it is refractory to chemotherapy in most cases. U-87 MG (malignant glioma) cells are used as an vitro model of human glioblastoma cells to investigate the cytotoxic effect of chemotherapeutic drugs towards cancer cells. The lysate is a good positive control for prostate apoptosis response-4 (Par-4) which is upregulated in prostate tumor cells undergoing apoptosis (several Abcam Par-4 abs). It is also a good positive control for Alpha-1-ACT, a serine protease inhibitor tightly associated with amyloid plaques in Alzheimer's disease (AD) and in normal aged human and monkey brain.
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