

Product datasheet

PANC-1 nuclear extract lysate ab14882

Overview

Product name	PANC-1 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	PANC-1 cells are used as an in vitro model of non-endocrine pancreatic cancer for tumorigenicity studies. The cells possess the type B phenotype for glucose-6-phosphate dehydrogenase G6PD and overexpress heregulin/human epidermal growth-factor receptor 2 (HER2/neu) oncogene (which is present in 60-70% of human pancreatic carcinomas) but are estrogen receptor (ER) negative. Cells are also negative for MUC4 (Sialomucin complex SMC, an intramembrane ligand for ErbB2) and positive for Smad4 (a TGF beta signalling cascade protein inactivated in human gastrointestinal cancers).
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