Product Datasheet

HeLa Whole Cell Lysate Doxorubicin Stimulated (orb348681)

Description	HeLa Whole Cell Lysate Doxorubicin
Conjugation	Unconjugated
Tested Applications	SDS-PAGE, WB
Preservatives	Preservative: None. Stabilizer: 10% (v/v) Glycerol. 1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)
Form/Appearance	Liquid (sterile filtered)
Concentration	1.0 mg/ml
Storage	Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Note	For research use only
Application notes	ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). Heat lysate to 95°C for 5 minutes and rapidly cool. If dissociating conditions are desired, add reducing agent prior to heating. The recommended loading volume per lane is 10-20 µl depending on the size format of your gel.
Purity	The cells were grown in DMEM supplemented with 10% FBS (Fetal Bovine Serum). Cells were treated with 0.5 µg/ml Doxorubicin for 2 h. Cells were washed in PBS and incubated on ice in modified RIPA buffer containing 150 mM sodium chloride, 50 mM Tris Cl, pH 7.4, 1 mM EDTA, 1.0% NP-40, 0.5% sodium deoxycholic acid and 0.1% SDS to lyse the cells. Protein integrity is ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as orthovanadate, sodium pyrophosphate and □-

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