Product Datasheet

HeLa Nuclear Cell Lysate
NB800-PC9

Unit Size: 0.1 mg

Store at -70C. Avoid freeze-thaw cycles.

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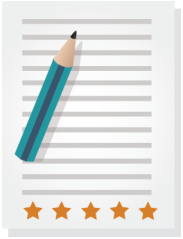


NB800-PC9

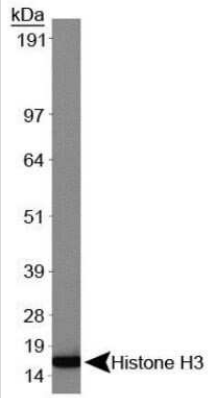
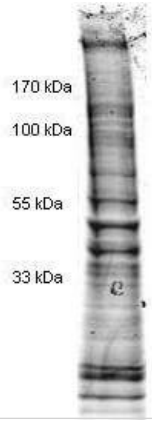
HeLa Nuclear Cell Lysate

Product Information	
Unit Size	0.1 mg
Concentration	Please contact technical services for concentration.
Storage	Store at -70C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	Multi-step
Buffer	1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8), 10% (v/v) Glycerol

Product Description	
Description	Store at -70C or COLDER. For extended storage, aliquot Nuclear Extract to minimize freeze/thaw cycles.
Species	Human
Preparation Method	The cells were grown in Dulbecco's medium supplemented with 10% fetal bovine serum. Cells were washed with PBS and then incubated on ice in modified RIPA buffer, containing 150 mM sodium chloride, 50 mM Tris HCl, pH 7.4, 1 mM EDTA, 1.0% NP-40, 0.5% sodium deoxycholic acid , 0.1% SDS and 0.01% (w/v) sodium azide to lyse the cells. Protein integrity was ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases (0.1 mM AEBSF HCl, 0.08 uM Aprotinin, 5 uM Bestatin, 1.5 uM E-64, 2 uM Leupeptin Hemisulfate, 1 uM Pepstatin A). Phosphatase inhibitors 1 mM NaF and 1 mM Na3VO4 were also added. Cell debris was removed by centrifugation. Protein concentration was determined by a modified Lowry assay using a commercially available kit. Protein concentration was adjusted to 2 mg/ml and then an equal volume of 2X SDS-PAGE sample buffer was added.
Lysate Type	Cell
Lysate Subcellular Fraction	Nuclear

Product Application Details	
Applications	Western Blot, SDS-Page
Recommended Dilutions	Western Blot 1:100-1:2000, SDS-Page
Application Notes	Ready-to-use nuclear extracts are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Nuclear extracts are supplied in denaturing buffer without dissociating agents. Heat nuclear extract to 95C for 5 minutes and rapidly cool. If dissociating conditions are desired add reducing agent prior to heating. The recommended loading volume per lane is 10-30 ul depending on the size format of your gel.

Images

Western Blot: HeLa Nuclear Cell Lysate [NB800-PC9] - Analysis of Histone H3 (NBP1-30141) using HeLa nuclear lysate [NB800-PC9].	
SDS-Page: HeLa Nuclear Cell Lysate [NB800-PC9] - Staining of HeLa nuclear lysate using NB800-PC9.	
Coomassie stained SDS-PAGE of 25 ug of Human Derived HeLa Nuclear Cell Lysate (Ready-to-Use) separated in a 4-20% gradient gel under non-reducing conditions. Molecular weight standards are shown on the left.	

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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