Product Datasheet

CHO K1 Whole Cell Lysate
NB800-PC13

Unit Size: 0.5 ml

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

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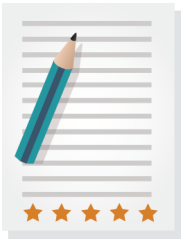


NB800-PC13

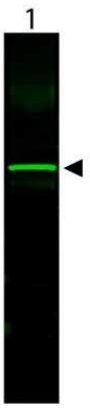
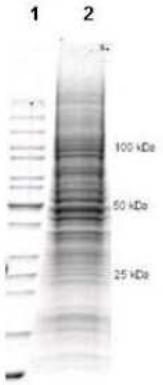
CHO K1 Whole Cell Lysate

Product Information	
Unit Size	0.5 ml
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 vial at -70C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Species	Chinese Hamster
Preparation Method	The cells were grown in Ham's F12 medium containing 2 mM L-Gln and 1.5 g/L sodium bicarbonate supplemented with 10% FBS (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	Whole

Product Application Details	
Applications	Western Blot, SDS-Page
Recommended Dilutions	Western Blot, SDS-Page
Application Notes	This product has been tested by SDS-PAGE and western blot. 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 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 10-20 ul depending on the size format of your gel.

Images

Western Blot: CHO K1 Whole Cell Lysate [NB800-PC13] - Detection of alpha tubulin in lane 1. CHO/K1 Whole Cell Lysate (10 g) was run on a 4 -20% gel, then transferred to 0.45 um nitrocellulose. After blocking with 1% BSA-TTBS 30 min at 20C, primary antibody was used at 1:1000 overnight at 4C. Anti-Rabbit IgG (H&L) (GOAT) antibody IRDye800CW secondary antibody was used at 1:20,000 in Blocking Buffer for Fluorescent Western Blotting and imaged on the LiCor Odyssey imaging system. Arrow indicates correct 50 kDa molecular weight position expected for alpha tubulin.	
Western Blot: CHO K1 Whole Cell Lysate [NB800-PC13] - Coomassie stained SDS-PAGE of 35 ul of CHO Whole Cell Lysate (Ready-to-Use) separated in a 4-20% gradient gel under reducing conditions (lane 2). Molecular weight standards are shown in lane 1.	

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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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