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Product Datasheet

PC-12 Cell Nuclear Extract (orb348734)

Description	PC-12 Cell Nuclear Extract
Conjugation	Unconjugated
Tested Applications	ChIP, IP, WB
Preservatives	Preservative: None. Stabilizer: None. 1X RIPA Buffer with HALT Protease and Phosphatase Inhibitors
Form/Appearance	Liquid (sterile filtered)
Concentration	4.0 mg/ml
Storage	Store vial at -70° C or COLDER. For extended storage, aliquot Nuclear Extract to minimize freeze/thaw cycles.
Note	For research use only
Application notes	Multi-purpose PC-12 nuclear extracts are especially prepared as positive control for multiple assays including western blot, immunoprecipitation (IP), capture ELISA or other assays requiring native protein sample. For separation by SDS-PAGE and subsequent western blot analysis, lysates should be diluted by user to desired concentration in SDS-PAGE buffer with 2-mercaptoethanol or dithiothreitol as the reducing agent and heated to 95° C for 5 minutes. Sample is ready for use in immunoprecipitation and ELISA experiments, conditions should be optimized by the user. Rockland recommends its TrueBlot IP reagents for immunoprecipitation experiments.
Purity	PC-12 cells were grown in RPMI-1640 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 µM Aprotinin, 5 µM Bestatin, 1.5 µM E-64, 2 µM Leupeptin Hemisulfate, 1 µM Pepstatin A). Phosphatase inhibitors 1 mM adjusted to 4 mg/ml in RIPA buffer containing protease and phosphatase

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