Product Datasheet

Normal Mouse Kidney Whole Cell Lysate (orb348717)

Description	Normal Mouse Kidney Whole Cell
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	2.0 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	Tissues were washed exhaustively with PBS to remove blood and other debris. A lysate was prepared by homogenizing the tissue and washing the cells in cold PBS. Washed cells were incubated at 4° C 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 aminopeptidases (0.1 mM AEBSF HCl, 0.08 µM Aprotinin

Cell debris was removed by centrifugation and membrane filtration

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