

Datasheet for W12-001-MQ6

Rat brain, post natal, Whole Cell Lysate**Overview**

Description:	Rat brain, post natal, Whole Cell Lysate - W12-001-MQ6
Item No.:	W12-001-MQ6
Size:	200 µg
Applications:	SDS-PAGE
Origin:	Rat

Product Details

Background:	Multi-purpose Whole Cell Lysates produced by Rockland Immunochemicals are derived from tissues and cell lines using highly refined extraction protocols to ensure exceptionally high quality, protein integrity and lot-to-lot reproducibility. All extracts are tested by SDS-PAGE using 4-20% gradient gels.
Synonyms:	Post-Natal Rat Pup Whole Brain Cell Lysate, Post-Natal Rat Pup Brain WCL, Post-Natal Rat Pup Brain Whole Cell Lysate, Rat brain post natal Whole Cell Lysate, Rat pup PND2-6, PND1
Species of Origin:	Rat

Target Details

Purity/Specificity:	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 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, 5 µM Bestatin, 1.5 µM E-64, 2 µM Leupeptin Hemisulfate and 1 µM Pepstatin A). The following phosphatase inhibitors were also added: 1 mM NaF and 1 mM Na3VO4. Cell debris was removed by centrifugation and membrane filtration. Protein concentration was determined by Lowry assay using a commercially available kit. The protein concentration was adjusted to 1 mg/ml using RIPA buffer.
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Application Details

Tested Applications:	SDS-PAGE
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Application Note:	W12-001-MQ6 has been tested by SDS-PAGE. Multi-purpose Rat brain, post natal, Whole Cell Lysate is 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IP:	User Optimized
WB:	User Optimized

Cell Line Data

Cell Line:	Primary tissue
Lysate Fractionation:	Whole Cell Lysate
Lysate Stimulation:	Not Stimulated
Culture Type:	Primary Tissue
Induction:	None (Control)

Formulation

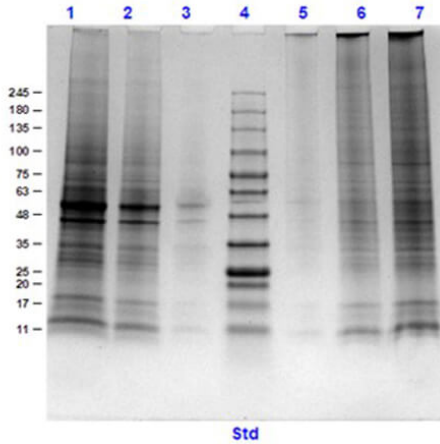
Physical State:	Liquid (sterile filtered)
Concentration:	1.0mg/mL by BCA assay
Buffer:	1X RIPA Buffer with HALT Protease and Phosphatase Inhibitors
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.

Expiration: Expiration date is three (3) months from date of receipt.

Images



SDS-PAGE

SDS-PAGE of Rat Brain, post natal, Whole Cell Lysate. Lane 1: Rat Brain, Post Natal, WCL (10 μ g) Reduced. Lane 2: Rat Brain, Post Natal, WCL (5 μ g) Reduced. Lane 3: Rat Brain, Post Natal, WCL (1 μ g) Reduced. Lane 4: Opal pre-stained Molecular Weight Markers (p/n MB-210-0500). Lane 5: Rat Brain, Post Natal, WCL (1 μ g) Non-Reduced. Lane 6: Rat Brain, Post Natal, WCL (5 μ g) Non-Reduced. Lane 7: Rat Brain, Post Natal, WCL (10 μ g) Non-Reduced. Coomassie Blue stained. Observed and Expected MW: Various bands between ~11-245 kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.