U-87 MG Whole Cell Lysate - W09-001-GX2

Code: W09-001-GX2 **Size:** 500 µg

Product Description: U-87 MG Whole Cell Lysate - W09-001-GX2

Concentration: 1.0 mg/ml by BCA assay

PhysicalState: Liquid (sterile filtered)

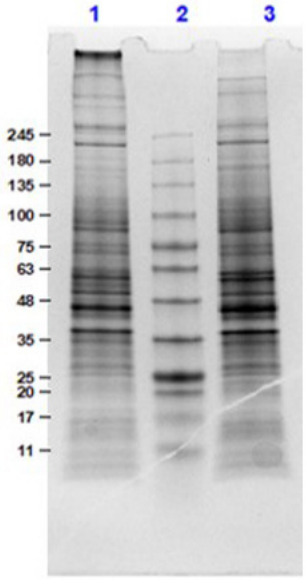
Label	Unconjugated
Buffer	1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)
Stabilizer	10% (v/v) Glycerol
Preservative	None
Storage Condition	Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Synonyms	U-87 WCL, U87 Whole Cell Lysate, U-87 Lysate
Application Note	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.
Background	Ready-to-use whole cell lysates produced by Rockland Immunochemicals are derived from cell lines or tissues 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 and immunoblot analysis using antibodies to key cell signaling components to confirm the presence of both high molecular weight and low molecular weight proteins.
Purity And Specificity	U-87 MG cells were grown in Eagle's Minimum Essential 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 NaF and 1 mM Na3VO4 were also added. Cell debris was removed by centrifugation. Protein concentration was determined by a modified BCA assay using a commercially available kit. Protein concentration was adjusted to 1 mg/mL using 2X SDS-PAGE Sample buffer.
Western Blot	User Optimized
Expiration	Expiration date is three (3) months from date of opening.

Related Products

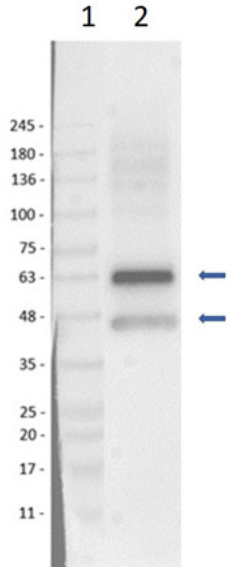
W09-000-361	A431 Whole Cell Lysate - W09-000-361
MB-210-0500	Opal Prestained Protein Standard 10-245kDaMB-210-0500
W09-001-GL5	A-172 Whole Cell LysateW09-001-GL5(1)
600-401-HB8	SQSTM1/p62 Antibody600-401-HB8

Images

1	SDS-PAGE Results of U-87 MG Whole Cell Lysate. Lane 1: U-87 MG Whole Cell Lysate (10µg) Reduced. Lane 2: Opal Prestained Molecular Weight (p/n MB-210-0500). Lane 3: U-87 MG Whole Cell Lysate (10µg) Non-Reduced. Results show wide range of molecular weight bands with no signs of degradation.



2 Western Blot Results of Rabbit Anti-SQSTM1/p62 Antibody using U-87 MG Lysate. Western Blot of Rabbit Anti-SQSTM1/p62 Antibody.Lane 1: Opal Prestain Molecular Weight Marker (p/n MB-210-0500). Lane 2: U-87 MG whole cell lysate. Load: 35µg lysate per lane. Primary Antibody: Anti-SQSTM1 at 1:1000 overnight at 2-8°C. Secondary Antibody: Goat Anti-Rabbit IgG HRP (p/n 611-103-122) at 1:40,000 for 60 mins at RT. Block: 5% BLOTTO/TBST (p/n B501-0500). Predicted MW: ~48 kDa. Observed MW: ~45, 60kDa. Protein undergoes acetylation, Isopeptide bond, Phosphoprotein, and Ubl conjugation.



Disclaimer

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Reviews

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