

## Datasheet for W09-001-GM4

## HCT-116 Whole Cell Lysate

### Overview

<b>Description:</b>	HCT-116 Whole Cell Lysate - W09-001-GM4
<b>Item No.:</b>	W09-001-GM4
<b>Size:</b>	500 µg
<b>Applications:</b>	SDS-PAGE
<b>Origin:</b>	Human

### Product Details

<b>Background:</b>	Multi-purpose HCT-116 Whole Cell Lysates produced by Rockland Immunochemicals are derived from 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.
<b>Synonyms:</b>	HCT116 Lysate, Cell Lysate, HCT-116 lysate
<b>Species of Origin:</b>	Human

### Target Details

<b>Purity/Specificity:</b>	HCT-116 cells were grown in McCoy's medium supplemented with 10% fetal bovine serum. Cells were washed with PBS and then incubated on ice in modified RIPA buffer 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 Lowry assay using a commercially available kit. Protein concentration was adjusted to 4 mg/ml with 1X RIPA buffer.
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### Application Details

<b>Tested Applications:</b>	SDS-PAGE
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**Application Note:** Multi-purpose HCT-116 Whole Cell Lysate 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.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ChIP:** User Optimized

**IP:** User Optimized

**WB:** User Optimized

## Cell Line Data

**Cell Line:** Human - colorectal carcinoma

**Lysate Fractionation:** Whole Cell Lysate

**Lysate Stimulation:** Not Stimulated

**Culture Type:** Tissue Culture

**Induction:** None (Control)

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 4.0 mg/mL by modified Lowry assay

**Buffer:** 1X RIPA Buffer with HALT Protease and Phosphatase Inhibitors

**Preservative:** None

**Stabilizer:** None

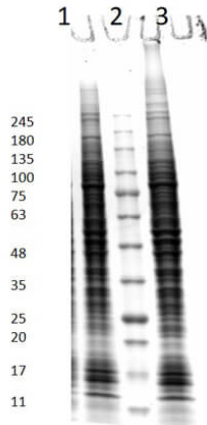
## Shipping & Handling

**Shipping Condition:** Dry Ice

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

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

## Images



### SDS-PAGE

SDS PAGE Results of HCT-116 Whole Cell Lysate. Lane 1: HCT-116 Whole Cell Lysate, Non-reduced [10µg]. Lane 2: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 3: HCT-116 Whole Cell Lysate, Reduced [10µg]. 4-20% Gel, Coomassie stained.

## Disclaimer

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