

## Product Datasheet

### K-562 Whole Cell Lysate (orb348692)

**Description**

K-562 Whole Cell Lysate

**Conjugation**

Unconjugated

**Tested**

ChIP, IP, SDS-PAGE, WB

**Applications**
**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 lysate to minimize freeze/thaw cycles.

**Note**

For research use only

**Application notes**

orb348692 has been tested by SDS-PAGE and western blot. Multi-purpose K-562 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.

**Purity**

K-562 cells were grown in Iscove's 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 Benztatin

Biorbyt Ltd.

7 Signet Court, Swann's Road, Cambridge, CB5 8LA, United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com) | Phone: +44 (0) 1223 859-353 | Fax: +44 (0)1223 280 240

Biorbyt LLC.

68 TW Alexander Drive&lt;br&gt;Research Triangle Park&lt;br&gt;Durham, North Carolina&lt;br&gt;27709, United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com) | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

Kit. Protein concentration was adjusted to 4 mg/ml with 1X RIPA buffer