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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SANTA CRUZ BIOTECHNOLOGY, INC.

L6 Whole Cell Lysate: sc-364196

BACKGROUND

Santa Cruz Biotechnology offers a variety of whole cell lysates for use in combination with our antibodies as Western Blotting controls. L6 Whole Cell Lysate is derived from the L6 cell line using a procedure that ensures protein integrity and lot-to-lot reproducibility. All lysates are tested by Western Blotting to assure that each one contains the expected concentration and assortment of proteins. Numerous antibodies directed against a wide array of mammalian proteins are used to test each lysate.

The L6 myogenic line was isolated originally by Yaffe from primary cultures of rat thigh muscle maintained for the first two passages in the presence of methyl cholanthrene. L6 cells fuse in culture to form multinucleated myotubes and striated fibers. The extent of cell fusion declines with passage and the cells should be frozen at low passage and periodically recloned with selection for fusion competent cells. Tested and found negative for ectromelia virus (mousepox).

REFERENCES

1. Yaffe, D. 1968. Retention of differentiation potentialities during prolonged cultivation of myogenic cells. Proc. Natl. Acad. Sci. USA 61: 477-483.
2. Richler, C. and Yaffe, D. 1970. The *in vitro* cultivation and differentiation capacities of myogenic cell lines. Dev. Biol. 23: 1-22.
3. Mandel, J.L. and Pearson, M.L. 1974. Insulin stimulates myogenesis in a rat myoblast line. Nature 251: 618-620.

SOURCE

L6 Whole Cell Lysate is derived from the L6 cell line.

Organism:	*Rattus norvegicus* (rat)
Tissue:	Skeletal muscle
Cell Type:	Myoblast myoblast
Growth Properties:	Adherent

PRODUCT

Each vial contains 500 µg protein in 200 µl of an SDS-PAGE Western Blotting buffer, which consists of 100 µl RIPA Lysis Buffer and 100 µl Electrophoresis Buffer, 2X.

APPLICATIONS

L6 Whole Cell Lysate is provided as a Western Blotting positive control. Recommended use is 50 µg (20 µl) per lane. Sample vial should be boiled once prior to use.

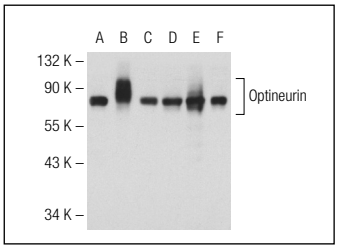
PREPARATION METHOD

Cells are cultured with appropriate media conditions and allowed to reach a confluency of 75%. Cells are lysed using the RIPA Lysis Buffer System (sc-24948). The BCA Protein Assay Kit (sc-202389) is used to determine the total protein concentration. The lysate is adjusted to contain 500 µg of total cellular protein in 100 µl before adding an equal volume of Electrophoresis Sample Buffer, 2X (sc-24945). Final concentration of product is 500 µg total protein in a final volume of 200 µl.

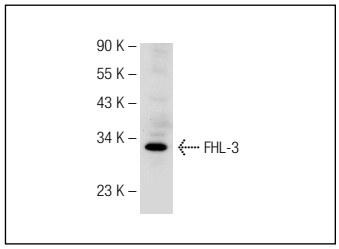
STORAGE

Store at -20° C; stable for one year from the date of shipment. Non-hazardous. No MSDS required. Minimize repeated freezing and thawing.

DATA



Optineurin (C-2): sc-166576. Western blot analysis of Optineurin expression in non-transfected 293T: sc-117752 (**A**), human Optineurin transfected 293T: sc-170133 (**B**), Jurkat (**C**), Sol8 (**D**) and L6 (**E**) whole cell lysates and HeLa nuclear extract (**F**).



FHL-3 (B-2): sc-166917. Western blot analysis of FHL-3 expression in L6 whole cell lysate.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.