

Myc (d1-717): sc-28207

BACKGROUND

Drosophila melanogaster is a proven and effective model for studying developmental and cellular processes common to higher eukaryotes. Approximately 13,600 genes have been elucidated from more than 120 megabases of euchromatin, and they are organized among the chromosomes 2, 3, 4, X and Y, with the Y chromosome being predominately heterochromatic. *Drosophila* genes can be categorized based on the type of protein they encode and are represented by six major classifications, which include intracellular signaling proteins, transmembrane proteins, RNA binding proteins, secreted factors, transcription regulators (basic helix-loop-helix, homeodomain containing, zinc finger containing and chromatin associated) or other functional proteins. Many of the proteins in *Drosophila* are structurally and functionally similar across species, as are the pathways involved in transducing intracellular signaling. Among these proteins, Myc (d-Myc, dMyc1) is a transcription factor that links patterning signals to cell division by regulating events coordinating cellular growth and metabolism.

REFERENCES

- Gallant, P., et al. 1996. Myc and Max homologs in *Drosophila*. *Science* 274: 1523-1527.
- Schreiber-Agus, N., et al. 1997. *Drosophila* Myc is oncogenic in mammalian cells and plays a role in the diminutive phenotype. *Proc. Natl. Acad. Sci. USA* 94: 1235-1240.
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- The Interactive Fly. <http://www.sdbonline.org/fly/aimain/1aahome.htm>.
<http://www.sdbonline.org/fly/dbzhnsky/myc1.htm>

SOURCE

Myc (d1-717) is a rabbit polyclonal antibody raised against amino acids 1-717 of Myc of *Drosophila melanogaster* origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

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

PROTOCOLS

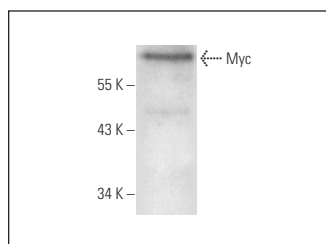
See our web site at www.scbt.com or our catalog for detailed protocols and support products.

APPLICATIONS

Myc (d1-717) is recommended for detection of Myc of *Drosophila melanogaster* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Positive Controls: Schneider's *Drosophila* Line 2 whole cell lysate.

DATA



Myc (d1-717): sc-28207. Western blot analysis of Myc expression in Schneider's *Drosophila* Line 2 whole cell lysate.

SELECT PRODUCT CITATIONS

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