**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 chromosomess 2, 3, 4, X and Y, with the Y chromosome being predominately heterochromatic. *Drosophila* genes can be categorized based on the type of protein for which 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. Among these proteins, Suppressor of Hairloss, Su(H), is a cytoplasmic protein that interacts with the activated Notch receptor, and subsequently localizes to the nucleus. Nuclear Su(H) functions as a transcription factor which targets the enhancer of split complex and elicits a neurogenicsignal.

**REFERENCES**


**SOURCE**

Suppressor of Hairless (C-9) is a mouse monoclonal antibody raised against amino acids 259-594 of Suppressor of Hairless of *Drosophila melanogaster* origin.

**PRODUCT**

Each vial contains 200 µg IgG2a kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

Suppressor of Hairless (C-9) is recommended for detection of Suppressor of Hairloss of *Drosophila melanogaster* origin by Western Blotting (starting dilution 1:100, 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).

Molecular Weight of Suppressor of Hairless: 74 kDa.

Positive Controls: Schneider's *Drosophila* Line 2 whole cell lysate: sc-364979.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgGκBP-HRP: sc-516102 or m-IgGκBP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-agarose: sc-2003 (0.5 ml agarose/2.0 ml).


**DATA**

Suppressor of Hairless (C-9): sc-398453. Western blot analysis of Suppressor of Hairless expression in Schneider's *Drosophila* Line 2 whole cell lysate.

**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 for detailed protocols and support products.