



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Su(fu) (h2): 293T Lysate: sc-170548

BACKGROUND

Su(fu) (for suppressor-of-fused) is a key negative regulator in the vertebrate Hedgehog signaling pathway. Su(fu) interacts with genes encoding proteins in this signal transduction pathway. In *Drosophila*, intracellular transduction of the Hedgehog pathway involves the release of a large complex containing Su(fu). Su(fu) inhibits the activity of the transcription factor Gli1 and interacts with Gli2, Gli3 and the serine/threonine kinase Fused. Su(fu) is widely expressed in adult and embryonic tissues with higher expression in tissues patterned by Hedgehog signaling. The Su(fu) gene locus maps to a region that is deleted in glioblastomas, prostate cancer, malignant melanoma and endometrial cancer.

REFERENCES

- Ruiz i Altaba, A. 1997. Catching a Gli-mpse of Hedgehog. *Cell* 90: 193-196.
- Monnier, V., Dussillol, F., Alves, G., Lamour-Isnard, C. and Plessis, A. 1998. Suppressor of fused links fused and Cubitus interruptus on the Hedgehog signalling pathway. *Curr. Biol.* 8: 583-586.
- Pearse, R.V. 2nd, Collier, L.S., Scott, M.P. and Tabin, C.J. 1999. Vertebrate homologs of *Drosophila* suppressor of fused interact with the Gli family of transcriptional regulators. *Dev. Biol.* 212: 323-336.
- Methot, N. and Basler, K. 1999. Hedgehog controls limb development by regulating the activities of distinct transcriptional activator and repressor forms of Cubitus interruptus. *Cell* 96: 819-831.
- Kogerman, P., Grimm, T., Kogerman, L., Krause, D., Uden, A.B., Sandstedt, B., Toftgard, R. and Zaphiropoulos, P.G. 1999. Mammalian suppressor-of-fused modulates nuclear-cytoplasmic shuttling of Gli-1. *Nat. Cell Biol.* 1: 312-319.
- Stone, D.M., Murone, M., Luoh, S., Ye, W., Armanini, M.P., Gurney, A., Phillips, H., Brush, J., Goddard, A., et al. 1999. Characterization of the human suppressor of fused, a negative regulator of the zinc-finger transcription factor Gli. *Cell Sci.* 112: 4437-4448.

CHROMOSOMAL LOCATION

Genetic locus: SUFU (human) mapping to 10q24.32.

PRODUCT

Su(fu) (h2): 293T Lysate represents a lysate of human Su(fu) transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Su(fu) (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Su(fu) antibodies. Recommended use: 10-20 µl per lane.

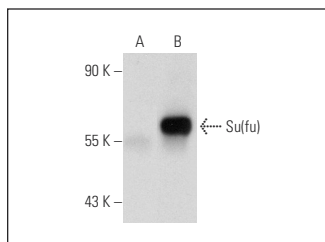
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Su(fu) (F-4): sc-137014 is recommended as a positive control antibody for Western Blot analysis of enhanced human Su(fu) expression in Su(fu) transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



Su(fu) (F-4): sc-137014. Western blot analysis of Su(fu) expression in non-transfected: sc-117752 (A) and human Su(fu) transfected: sc-170548 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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.