



# SZABO SCANDIC

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Diagnostik & molekulare Diagnostik



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### Zuschläge

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- 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

# STAC (h): 293T Lysate: sc-170170

## BACKGROUND

STAC (SH3 and cysteine rich domain-containing protein), also known as STAC1, is a 402 amino acid protein that contains one SH3 (Src homology 3) domain and one cysteine-rich domain (CRD). Expressed in brain, STAC is a neuron-specific protein that localizes to the cytoplasm and, based on the frequent involvement of SH3 and CRD domains in signal transduction, is believed to play a role in neuron-specific signal transduction. In addition, STAC may be involved in protecting cells from apoptosis. Due to its neuron-specific expression and putative role in signal transduction, STAC may be implicated in a variety of hereditary neurological diseases.

## REFERENCES

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2. Kawai, J., Suzuki, H., Hara, A., Hirose, K. and Watanabe, S. 1998. Human and mouse chromosomal mapping of STAC, a neuron-specific protein with an SH3 domain. *Genomics* 47: 140-142.
3. Petek, E., Emberger, W., Kroisel, P.M. and Wagner, K. 1999. Assignment of STAC to human chromosome band 3p22.3 between D3S3718 and D3S1611. *Cytogenet. Cell Genet.* 84: 184-185.
4. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 602317. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
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6. Kato, Y., Uzawa, K., Saito, K., Nakashima, D., Kato, M., Nimura, Y., Seki, N. and Tanzawa, H. 2006. Gene expression pattern in oral cancer cervical lymph node metastasis. *Oncol. Rep.* 16: 1009-1014.
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## CHROMOSOMAL LOCATION

Genetic locus: STAC (human) mapping to 3p22.3.

## PRODUCT

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

## 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.

## APPLICATIONS

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

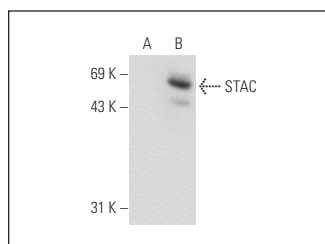
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STAC (J-19): sc-100661 is recommended as a positive control antibody for Western Blot analysis of enhanced human STAC expression in STAC 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



STAC (J-19): sc-100661. Western blot analysis of STAC expression in non-transfected: sc-117752 (A) and human STAC transfected: sc-170170 (B) 293T whole cell lysates.

## RESEARCH USE

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