



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

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

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

# RIN1 (h2): 293 Lysate: sc-171832

## BACKGROUND

Ras is a membrane-associated small G protein that is indirectly coupled to receptor and nonreceptor tyrosine kinases. Ras activation is regulated by the levels of bound GTP and GDP. Several effectors of Ras have been identified, including Raf1, PI 3-kinase, and RIN1. RIN1 (Ras interaction/interference) was identified as a Ras-interacting protein in yeast, and it has been shown to bind to the human H-ras. This RIN1-Ras interaction is enhanced when Ras is bound to GTP. Unlike Raf1, RIN1 is localized primarily to the plasma membrane. RIN1 contains an SH<sub>2</sub> domain and an amino-terminal region similar to consensus SH3 domains. RIN1 binds c-Abl, and, like Raf1, interacts with 14-3-3 proteins.

## REFERENCES

1. Colicelli, J. 1995. A human protein selected for interference with Ras function interacts directly with Ras and competes with Raf1. *Mol. Cell Biol.* 15: 1318-1323.
2. Shoelson, S.E. 1997. SH<sub>2</sub> and PTB domain interactions in tyrosine kinase signal transduction. *Curr. Opin. Chem. Biol.* 1: 227-234.
3. Han, L., Wong, D., Dhaka, A., Afar, D., White, M., Xie, W., Herschman, H., Witte, O. and Colicelli, J. 1997. Protein binding and signaling properties of RIN1 suggest a unique effector function. *Proc. Natl. Acad. Sci. USA* 94: 4954-4959.
4. Afar, D.E., Han, L., McLaughlin, J., Wong, S., Dhaka, A., Parmar, K., Rosenberg, N., Witte, O.N. and Colicelli, J. 1997. Regulation of the oncogenic activity of BCR-ABL by a tightly bound substrate protein RIN1. *Immunity* 6: 773-782.
5. Vojtek, A.B. and Der, C.J. 1998. Increasing complexity of the Ras signaling pathway. *J. Biol. Chem.* 273: 19925-19928.
6. Downward, J. 1998. Ras signalling and apoptosis. *Curr. Opin. Genet. Dev.* 8: 49-54.

## CHROMOSOMAL LOCATION

Genetic locus: RIN1 (human) mapping to 11q13.2.

## PRODUCT

RIN1 (h2): 293 Lysate represents a lysate of human RIN1 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

RIN1 (h2): 293 Lysate is suitable as a Western Blotting positive control for human reactive RIN1 antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

## 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](http://www.scbt.com) for detailed protocols and support products.