



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) 

RBCK1 (h): 293T Lysate: sc-158916

BACKGROUND

The RING finger motif is a specialized DNA-binding zinc finger domain found in many transcriptional regulatory proteins. RBCC protein interacting with PKC 1 (RBCK1), a member of the RING-IBR protein family, interacts with β -I-type (PRKCB1) and Z-type protein kinase C (PRKCZ) as well as UBE2L3, and has a new type of RING-B-box-coiled-coil (RBCC) region. RBCK1 can form homodimers *in vitro* and is a transcription factor with both transcriptional and DNA-binding activities that are unlike other RBCC family proteins. RBCK1 shuttles between the cytoplasm and nucleus and possesses nuclear export and localization signals within its amino acid sequence. It may function as an E3 ubiquitin-protein ligase, or as a part of the E3 complex, which accepts ubiquitin from E2 ubiquitin-conjugating enzymes, such as UBE2L3/UBCM4, and then transfers ubiquitin to substrates.

REFERENCES

1. Tokunaga, C., Kuroda, S., Tatematsu, K., Nakagawa, N., Ono, Y. and Kikkawa, U. 1998. Molecular cloning and characterization of a novel protein kinase C-interacting protein with structural motifs related to RBCC family proteins. *Biochem. Biophys. Res. Commun.* 244: 353-359.
2. Tatematsu, K., Tokunaga, C., Nakagawa, N., Tanizawa, K., Kuroda, S. and Kikkawa, U. 1998. Transcriptional activity of RBCK1 protein (RBCC protein interacting with PKC 1): requirement of RING-finger and B-box motifs and regulation by protein kinases. *Biochem. Biophys. Res. Commun.* 247: 392-396.
3. Tokunaga, C., Tatematsu, K., Kuroda, S., Nakagawa, N. and Kikkawa, U. 1998. Molecular cloning and characterization of RBCK2, a splicing variant of a RBCC family protein, RBCK1. *FEBS Lett.* 435: 11-15.
4. Tatematsu, K., Yoshimoto, N., Koyanagi, T., Tokunaga, C., Tachibana, T., Yoneda, Y., Yoshida, M., Okajima, T., Tanizawa, K. and Kuroda, S. 2005. Nuclear-cytoplasmic shuttling of a RING-IBR protein RBCK1 and its functional interaction with nuclear body proteins. *J. Biol. Chem.* 280: 22937-22944.
5. Yoshimoto, N., Tatematsu, K., Koyanagi, T., Okajima, T., Tanizawa, K. and Kuroda, S. 2005. Cytoplasmic tethering of a RING protein RBCK1 by its splice variant lacking the RING domain. *Biochem. Biophys. Res. Commun.* 335: 550-557.

CHROMOSOMAL LOCATION

Genetic locus: RBCK1 (human) mapping to 20p13.

PRODUCT

RBCK1 (h): 293T Lysate represents a lysate of human RBCK1 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

RBCK1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive RBCK1 antibodies. Recommended use: 10-20 μ l per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T 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 for detailed protocols and support products.