



# 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) 

## RLIM (m): 293T Lysate: sc-123216

### BACKGROUND

RLIM (RING finger LIM domain-binding protein), also known as RNF12 (RING finger protein 12) or NY-REN-43, is a 624 amino acid RING-H2 zinc finger protein that is involved in protein ubiquitinylation and subsequent degradation. Expressed in a variety of tissues, RLIM binds to the LIM domain of various proteins and functions as a protein ligase that negatively co-regulates LIM homeodomain (LIM-HD) transcription factors. Through its interaction with Sin3A, a component of the histone deacetylase corepressor complex, RLIM is able to recruit the corepressor complex to LIM-HD proteins, thereby inhibiting LIM-HD transcription. In addition to recruiting the deacetylase complex to LIM-HD proteins, RLIM is able to bind to, ubiquitinate and subsequently degrade LIM proteins, which function as positive co-regulators of LIM-HD transcription factors. RLIM contains one RING-type zinc finger and is implicated in renal cell carcinoma.

### REFERENCES

1. Furuyama, T., Inagaki, S., Iwahashi, Y., Wanaka, A. and Tohyama, M. 1996. Localization of mRNAs for Rlim-1, the rat Xlim-1 homolog, in the developing rat brain. *Brain Res. Mol. Brain Res.* 36: 152-156.
2. Bach, I., Rodriguez-Esteban, C., Carrière, C., Bhushan, A., Krones, A., Rose, D.W., Glass, C.K., Andersen, B., Izpisua Belmonte, J.C. and Rosenfeld, M.G. 1999. RLIM inhibits functional activity of LIM homeodomain transcription factors via recruitment of the histone deacetylase complex. *Nat. Genet.* 22: 394-399.
3. Ostendorff, H.P., Bossenz, M., Mincheva, A., Copeland, N.G., Gilbert, D.J., Jenkins, N.A., Lichter, P. and Bach, I. 2000. Functional characterization of the gene encoding RLIM, the corepressor of LIM homeodomain factors. *Genomics* 69: 120-130.
4. Hiratani, I., Yamamoto, N., Mochizuki, T., Ohmori, S.Y. and Taira, M. 2003. Selective degradation of excess Ldb1 by RNF12/RLIM confers proper Ldb1 expression levels and Xlim-1/Ldb1 stoichiometry in *Xenopus* organizer functions. *Development* 130: 4161-4175.
5. Ostendorff, H.P., Tursun, B., Cornils, K., Schlüter, A., Drung, A., Güngör, C. and Bach, I. 2006. Dynamic expression of LIM cofactors in the developing mouse neural tube. *Dev. Dyn.* 235: 786-791.
6. Online Mendelian Inheritance in Man, OMIM™. 2008. Johns Hopkins University, Baltimore, MD. MIM Number: 300379. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>

### CHROMOSOMAL LOCATION

Genetic locus: Rlim (mouse) mapping to X D.

### PRODUCT

RLIM (m): 293T Lysate represents a lysate of mouse RLIM 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.

### APPLICATIONS

RLIM (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive RLIM 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.

### 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.