



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) 

RAD54L2 (h): 293T Lysate: sc-175676

BACKGROUND

Adrenergic receptors (ARs) include four general types ($\alpha 1$, $\alpha 2$, $\beta 1$ and $\beta 2$) that are found in different target tissues and differ in their affinities and responses to various agonists and antagonists. The coupling of ARs to specific intracellular effectors is mediated through diverse heterotrimeric G proteins. ARs play a critical role in the development of prostate cancer, and transcriptional activity of AR is partly regulated by coregulatory proteins. RAD54L2 (RAD54-like 2), also known as ARIP4 (androgen receptor-interacting protein 4), HSPC325 or SRISNF2L, is a 1,467 amino acid nuclear protein belonging to the SNF2/RAD54 helicase family that consists of one helicase ATP-binding domain and a helicase C-terminal domain. RAD54L2 is a DNA helicase that regulates androgen receptor (AR)-dependent transactivation in a promoter-dependent manner. RAD54L2 is posttranslationally sumoylated or phosphorylated upon DNA damage.

REFERENCES

1. Jänne, O.A., et al. 2000. Androgen-receptor-interacting nuclear proteins. *Biochem. Soc. Trans.* 28: 401-405.
2. Rouleau, N., et al. 2002. Novel ATPase of SNF2-like protein family interacts with androgen receptor and modulates androgen-dependent transcription. *Mol. Biol. Cell* 13: 2106-2119.
3. Linja, M.J., et al. 2004. Expression of androgen receptor coregulators in prostate cancer. *Clin. Cancer Res.* 10: 1032-1040.
4. Domanskyi, A., et al. 2006. Biochemical characterization of androgen receptor-interacting protein 4. *Biochem. J.* 393: 789-795.
5. Rosendorff, A., et al. 2006. NXP-2 association with SUMO-2 depends on lysines required for transcriptional repression. *Proc. Natl. Acad. Sci. USA* 103: 5308-5313.
6. Domanskyi, A., et al. 2007. Expression and localization of androgen receptor-interacting protein-4 in the testis. *Am. J. Physiol. Endocrinol. Metab.* 292: E513-E522.
7. Zhang, F.P., et al. 2007. An adenosine triphosphatase of the sucrose non-fermenting 2 family, androgen receptor-interacting protein 4, is essential for mouse embryonic development and cell proliferation. *Mol. Endocrinol.* 21: 1430-1442.
8. Urbanucci, A., et al. 2008. Androgen regulation of the androgen receptor coregulators. *BMC Cancer* 8: 219.
9. Ogawa, H., et al. 2009. Transcriptional suppression by transient recruitment of ARIP4 to sumoylated nuclear receptor Ad4BP/SF-1. *Mol. Biol. Cell* 20: 4235-4245.

CHROMOSOMAL LOCATION

Genetic locus: RAD54L2 (human) mapping to 3p21.2.

PRODUCT

RAD54L2 (h): 293T Lysate represents a lysate of human RAD54L2 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

RAD54L2 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive RAD54L2 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.