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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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TORC2 (h): 293T Lysate: sc-116557

SANTA CRUZ®

BIOTECHNOLOGY

The Power to Question

BACKGROUND

The TORC (transducer of regulated cAMP response element-binding) proteins, TORC1 and TORC2, are potent CREB coactivators that are exported from the nucleus in a CRM1-dependent manner. The translocation of TORC proteins is a conserved step in the activation of CRE-mediated gene expression induced by cAMP. TORC1 and TORC2 operate via phosphorylation-dependent interactions.

REFERENCES

1. Conkright, M.D., et al. 2003. TORCs: transducers of regulated CREB activity. Mol. Cell 12: 413-423.

2. Iourgenko, V., et al. 2003. Identification of a family of cAMP response element-binding protein coactivators by genome-scale functional analysis in mammalian cells. Proc. Natl. Acad. Sci. USA 100: 12147-12152.

3. Bittinger, M.A., et al. 2004. Activation of cAMP response element-mediated gene expression by regulated nuclear transport of TORC proteins. Curr. Biol. 14: 2156-2161.

4. Screaton, R.A., et al. 2004. The CREB coactivator TORC2 functions as a calcium- and cAMP-sensitive coincidence detector. Cell 119: 61-74.

5. Jacinto, E., et al. 2004. Mammalian TOR complex 2 controls the Actin cytoskeleton and is Rapamycin insensitive. Nat. Cell Biol. 6: 1122-1128.

6. Reinke, A., et al. 2004. TOR complex 1 includes a novel component, Tco89p (YPL180w), and cooperates with Ssd1p to maintain cellular integrity in *Saccharomyces cerevisiae*. J. Biol. Chem. 279: 14752-14762.

7. Behboudi, A., et al. 2005. Clear cell hidradenoma of the skin—a third tumor type with a t(11;19)-associated TORC1-MAML2 gene fusion. Genes Chromosomes Cancer 43: 202-205.

CHROMOSOMAL LOCATION

Genetic locus: CRTC2 (human) mapping to 1q21.3.

PRODUCT

TORC2 (h): 293T Lysate represents a lysate of human TORC2 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

TORC2 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TORC2 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.

TORC2 (G-4): sc-166445 is recommended as a positive control antibody for Western Blot analysis of enhanced human TORC2 expression in TORC2 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
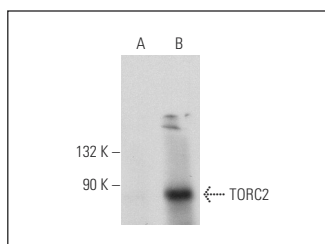
TORC2 (G-4): sc-166445. Western blot analysis of TORC2 expression in non-transfected: sc-117752 (**A**) and human TORC2 transfected: sc-116557 (**B**) 293T whole cell lysates.
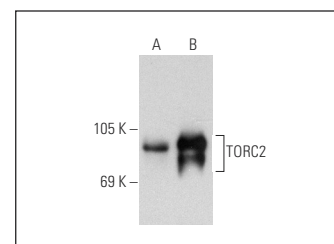
TORC2 (G-4): sc-166445. Western blot analysis of TORC2 expression in non-transfected: sc-117752 (**A**) and human TORC2 transfected: sc-116557 (**B**) 293T whole cell lysates.

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.