



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) 



BCAS2 (h2): 293T Lysate: sc-172935

BACKGROUND

BCAS2 (breast carcinoma amplified sequence 2), also designated DAM1 (DNA amplified in mammary carcinoma 1 protein) or spliceosome-associated SPF 27, is a ubiquitously expressed nuclear protein that was originally identified as being overexpressed in various breast cancer cell lines. BCAS2 is now known to be a component of the spliceosome, participating in the removal of introns from mRNA precursors. BCAS2 specifically interacts (in a ligand-independent manner) with TR β (thyroid hormone receptor β), ER α (estrogen receptor α), ER β , PR (progesterone receptor) and PPAR γ (peroxisome proliferator-activated receptor γ). BCAS2 functions as an ER co-activator and is capable of enhancing ER-mediated transcription. This suggests that BCAS2 is involved in the development of breast cancer.

REFERENCES

1. Nagasaki, K., Maass, N., Manabe, T., Hanzawa, H., Tsukada, T., Kikuchi, K. and Yamaguchi, K. 1999. Identification of a novel gene, DAM1, amplified at chromosome 1p13.3-21 region in human breast cancer cell lines. *Cancer Lett.* 140: 219-226.
2. Maass, N., Rösel, F., Schem, C., Hitomi, J., Jonat, W. and Nagasaki, K. 2002. Amplification of the BCAS2 gene at chromosome 1p13.3-21 in human primary breast cancer. *Cancer Lett.* 185: 219-223.
3. Lee, S., Ha, S., Chung, M., Kim, Y. and Choi, Y. 2002. Mouse Dam1 regulates pro-apoptotic activity of Blk in mammary epithelial cells. *Cancer Lett.* 188: 121-126.
4. Qi, C., Zhu, Y.T., Chang, J., Yeldandi, A.V., Rao, M.S. and Zhu, Y.J. 2005. Potentiation of estrogen receptor transcriptional activity by breast cancer amplified sequence 2. *Biochem. Biophys. Res. Commun.* 328: 393-398.
5. Worsham, M.J., Pals, G., Schouten, J.P., Miller, F., Tiwari, N., van Spaendonk, R. and Wolman, S.R. 2006. High-resolution mapping of molecular events associated with immortalization, transformation, and progression to breast cancer in the MCF10 model. *Breast Cancer Res. Treat.* 96: 177-186.

CHROMOSOMAL LOCATION

Genetic locus: BCAS2 (human) mapping to 1p13.2.

PRODUCT

BCAS2 (h2): 293T Lysate represents a lysate of human BCAS2 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

BCAS2 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive BCAS2 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 $^{\circ}$ 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.