



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) 

BCAM (h): 293T Lysate: sc-116095

BACKGROUND

Cell adhesion molecules (CAMs) influence cell growth, differentiation, embryogenesis, immune response and cancer metastasis by networking information from the extracellular matrix to the cell. Regulation of neuronal synaptic adhesion by CAMs has proven important for learning and memory. Proper embryonic morphogenic development is also heavily dependent on the regulation of cell adhesion molecules. Mutation of CAM genes has been linked to several forms of cancer, effecting tumor growth and metastasis. Lutheran blood group glycoprotein, also designated BCAM cell surface glycoprotein or auberger B antigen, plays a role in intracellular signaling. It is a widely expressed protein but the highest level of expression is in pancreas tissue.

REFERENCES

1. Campbell, I., Foulkes, W., Senger, G., Trowsdale, J., Garin-Chesa, P. and Rettig, W. 1994. Molecular cloning of the BCAM cell surface glycoprotein of epithelial cancers: a novel member of the immunoglobulin superfamily. *Cancer Res.* 54: 5761-5765.
2. Parsons, S.F., Mallinson, G., Holmes, C.H., Houlihan, J.M., Simpson, K.L., Mawby, W., Spurr, N., Warne, D., Barclay, A. and Anstee, D. 1995. The Lutheran blood group glycoprotein, another member of the immunoglobulin superfamily, is widely expressed in human tissues and is developmentally regulated in human liver. *Proc. Natl. Acad. Sci. USA* 92: 5496-5500.
3. Zhang, H., Li, X.J., Martin, D.B. and Aebersold, R. 2003. Identification and quantification of N-linked glycoproteins using hydrazide chemistry, stable isotope labeling and mass spectrometry. *Nat. Biotechnol.* 21: 660-666.
4. Hines, P.C., Zen, Q., Burney, S.N., Shea, D.A., Ataga, K.I., Orringer, E.P., Telen, M.J. and Parise, L.V. 2003. Novel epinephrine and cyclic AMP-mediated activation of BCAM/LU-dependent sickle (SS) RBC adhesion. *Blood* 101: 3281-3287.
5. Murphy, M.M., Zayed, M.A., Evans, A., Parker, C.E., Ataga, K.I., Telen, M.J. and Parise, L.V. 2005. Role of Rap1 in promoting sickle red blood cell adhesion to laminin via BCAM/LU. *Blood* 105: 3322-3329.
6. SWISS-PROT/TrEMBL (P50895). World Wide Web URL: <http://www.expasy.ch/sprot/sprot-top.html>

CHROMOSOMAL LOCATION

Genetic locus: BCAM (human) mapping to 19q13.32.

PRODUCT

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

APPLICATIONS

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

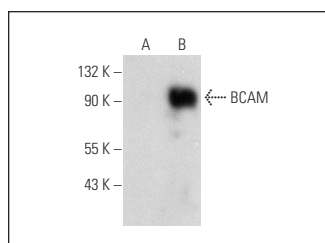
BCAM (D-6): sc-365191 is recommended as a positive control antibody for Western Blot analysis of enhanced human BCAM expression in BCAM transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

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



BCAM (D-6): sc-365191. Western blot analysis of BCAM expression in non-transfected: sc-117752 (A) and human BCAM transfected: sc-116095 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.