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

SANTA CRUZ BIOTECHNOLOGY, INC.

Eps8L1 (m): 293T Lysate: sc-126799

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Eps8L1 (Eps8-like 1), also known as DRC3 or EPS8R1, is a 723 amino acid protein that localizes to the cytoplasm and belongs to the Eps8 (epidermal growth factor receptor pathway substrate 8) family. Expressed in placental tissue, Eps8L1 functions to stimulate the guanine exchange activity of Sos 1 (son of sevenless homolog 1), a protein that promotes the exchange of Ras-bound GDP for GTP. Additionally, Eps8L1 is thought to associate with Actin and, via this association, may play a role in membrane ruffling and remodeling of the Actin cytoskeleton. Through its ability to regulate protein activation and cytoskeleton dynamics, Eps8L1 may participate in cell growth and differentiation events within the cell. Eps8L1 contains one SH3 domain and is expressed as four isoforms due to alternative splicing events.

REFERENCES

1. Pawson, T. and Schlessingert, J. 1993. SH2 and SH3 domains. Curr. Biol. 3: 434-442.
2. Tocchetti, A., Confalonieri, S., Scita, G., Di Fiore, P.P. and Betsholtz, C. 2003. In silico analysis of the EPS8 gene family: genomic organization, expression profile, and protein structure. Genomics 81: 234-244.
3. Offenhäuser, N., Borgonovo, A., Disanza, A., Romano, P., Ponzanelli, I., Iannolo, G., Di Fiore, P.P. and Scita, G. 2004. The Eps8 family of proteins links growth factor stimulation to Actin reorganization generating functional redundancy in the Ras/Rac pathway. Mol. Biol. Cell 15: 91-98.
4. Goicoechea, S., Arneman, D., Disanza, A., Garcia-Mata, R., Scita, G. and Otey, C.A. 2006. Palladin binds to Eps8 and enhances the formation of dorsal ruffles and podosomes in vascular smooth muscle cells. J. Cell Sci. 119: 3316-3324.
5. Maa, M.C., Lee, J.C., Chen, Y.J., Chen, Y.J., Lee, Y.C., Wang, S.T., Huang, C.C., Chow, N.H. and Leu, T.H. 2007. Eps8 facilitates cellular growth and motility of colon cancer cells by increasing the expression and activity of focal adhesion kinase. J. Biol. Chem. 282: 19399-19409.
6. Würtz, P., Aitio, O., Hellman, M. and Permi, P. 2007. Simultaneous detection of amide and methyl correlations using a time shared NMR experiment: application to binding epitope mapping. J. Biomol. NMR 39: 97-105.
7. Kesti, T., Ruppelt, A., Wang, J.H., Liss, M., Wagner, R., Taskén, K. and Saksela, K. 2007. Reciprocal regulation of SH3 and SH2 domain binding via tyrosine phosphorylation of a common site in CD3-ε. J. Immunol. 179: 878-885.

CHROMOSOMAL LOCATION

Genetic locus: Eps8l1 (mouse) mapping to 7 A1.

PRODUCT

Eps8L1 (m): 293T Lysate represents a lysate of mouse Eps8L1 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

Eps8L1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Eps8L1 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 for detailed protocols and support products.