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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.

BAIAP2L1 (h): 293T Lysate: sc-176902

BACKGROUND

BAIAP2L1 (brain-specific angiogenesis inhibitor 1-associated protein 2-like 1), also known as IRTKS (insulin receptor tyrosine kinase substrate), is a widely expressed, 511 amino acid protein with predominant expression in liver, testes, bladder, lung and heart. It contains one IMD (IRSp53/MTSS1 homology) domain, one SH3 domain and a C-terminal region that is similar to a WH2 domain. Other proteins containing the IMD domain, such as IRSp53 and MTSS1, are known to participate in Actin filament bundling and induction of filopodia-like protrusions. BAIAP2L1 is closely related to IRSp53 but, unlike the filopodia-like protrusions caused by IRSp53, expression of BAIAP2L1 results in short Actin clusters around the peripherary of the cell. Similar to IRSp53, BAIAP2L1 is a substrate for the Insulin receptor (insulin R) and undergoes tyrosine phosphorylation upon stimulation with Insulin. In addition, BAIAP2L1 is capable of binding Rac via its N-terminal IMD domain.

REFERENCES

1. Yeh, T.C., Ogawa, W., Danielsen, A.G. and Roth, R.A. 1996. Characterization and cloning of a 58/53-kDa substrate of the Insulin receptor tyrosine kinase. J. Biol. Chem. 271: 2921-2928.
2. Millard, T.H., Bompard, G., Heung, M.Y., Dafforn, T.R., Scott, D.J., Machesky, L.M. and Fütterer, K. 2005. Structural basis of filopodia formation induced by the IRSp53/MIM homology domain of human IRSp53. EMBO J. 24: 240-250.
3. Disanza, A., Mantoani, S., Hertzog, M., Gerboth, S., Frittoli, E., Steffen, A., Berhoerster, K., Kreienkamp, H.J., Milanesi, F., Di Fiore, P.P., Ciliberto, A., Stradal, T.E. and Scita, G. 2006. Regulation of cell shape by Cdc42 is mediated by the synergic Actin-bundling activity of the Eps8-IRSp53 complex. Nat. Cell Biol. 8: 1337-1347.
4. Suetsugu, S., Murayama, K., Sakamoto, A., Hanawa-Suetsugu, K., Seto, A., Oikawa, T., Mishima, C., Shirouzu, M., Takenawa, T. and Yokoyama, S. 2006. The RAC binding domain/IRSp53-MIM homology domain of IRSp53 induces RAC-dependent membrane deformation. J. Biol. Chem. 281: 35347-35358.
5. Galligan, C.L., Baig, E., Bykerk, V., Keystone, E.C. and Fish, E.N. 2007. Distinctive gene expression signatures in rheumatoid arthritis synovial tissue fibroblast cells: correlates with disease activity. Genes Immun. 8: 480-491.
6. Millard, T.H., Dawson, J. and Machesky, L.M. 2007. Characterisation of IRTKS, a novel IRSp53/MIM family actin regulator with distinct filament bundling properties. J. Cell Sci. 120: 1663-1672.
7. Mattila, P.K., Pykäläinen, A., Saarikangas, J., Paavilainen, V.O., Vihinen, H., Jokitalo, E. and Lappalainen, P. 2007. Missing-in-metastasis and IRSp53 deform PI(4,5)P2-rich membranes by an inverse BAR domain-like mechanism. J. Cell Biol. 176: 953-964.
8. Lee, S.H., Kerff, F., Chereau, D., Ferron, F., Klug, A. and Dominguez, R. 2007. Structural basis for the actin-binding function of missing-in-metastasis. Structure 15: 145-155.

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.

CHROMOSOMAL LOCATION

Genetic locus: BAIAP2L1 (human) mapping to 7q21.3.

PRODUCT

BAIAP2L1 (h): 293T Lysate represents a lysate of human BAIAP2L1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

BAIAP2L1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive BAIAP2L1 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.