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CKIP-1 (h4): 293T Lysate: sc-176668

BACKGROUND

Casein Kinase II-interacting protein 1 (CKIP-1), also designated pleckstrin homology domain containing family O member 1 (PLEKHO1), is a 409-amino acid protein with an N-terminal pleckstrin homology domain and a putative C-terminal JUN leucine zipper interactive domain. CKIP-1 is expressed at the highest levels in skeletal muscle and heart, intermediately in placenta, lung and brain, and at the weakest levels in pancreas, liver and kidney. CKIP-1 localizes to the plasma membrane of transfected COS-7 cells and also to the plasma membrane and the nucleus in human osteosarcoma cells. It interacts with the N terminus of CSNK2A1 and with full length CSNK2A1, but not with CSNK2A2 or CSNK2B.

REFERENCES

1. Bosc, D.G., Graham, K.C., Saulnier, R.B., Zhang, C., Prober, D., Gietz, R.D. and Litchfield, D.W. 2000. Identification and characterization of CKIP-1, a novel pleckstrin homology domain-containing protein that interacts with protein kinase CK2. *J. Biol. Chem.* 275: 14295-14306.
2. Olsten, M.E., Canton, D.A., Zhang, C., Walton, P.A. and Litchfield, D.W. 2004. The Pleckstrin homology domain of CK2 interacting protein-1 is required for interactions and recruitment of protein kinase CK2 to the plasma membrane. *J. Biol. Chem.* 279: 42114-42127.
3. Barrios-Rodiles, M., Brown, K.R., Ozdamar, B., Bose, R., Liu, Z., Donovan, R.S., Shinjo, F., Liu, Y., Dembowy, J., Taylor, I.W., Luga, V., Przulj, N., Robinson, M., Suzuki, H., Hayashizaki, Y., Jurisica, I. and Wrana, J.L. 2005. High-throughput mapping of a dynamic signaling network in mammalian cells. *Science* 307: 1621-1625.
4. Canton, D.A., Olsten, M.E., Kim, K., Doherty-Kirby, A., Lajoie, G., Cooper, J.A. and Litchfield, D.W. 2005. The pleckstrin homology domain-containing protein CKIP-1 is involved in regulation of cell morphology and the Actin cytoskeleton and interaction with Actin capping protein. *Mol. Cell. Biol.* 25: 3519-3534.
5. Zhang, L. 2005. Role for the pleckstrin homology domain-containing protein CKIP-1 in AP-1 regulation and apoptosis. *EMBO J.* 24: 766-778.
6. Lim, J., Hao, T., Shaw, C., Patel, A.J., Szabó, G., Rual, J.F., Fisk, C.J., Li, N., Smolyar, A., Hill, D.E., Barabási, A.L., Vidal, M. and Zoghbi, H.Y. 2006. A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. *Cell* 125: 801-814.

CHROMOSOMAL LOCATION

Genetic locus: PLEKHO1 (human) mapping to 1q21.2.

PRODUCT

CKIP-1 (h4): 293T Lysate represents a lysate of human CKIP-1 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

CKIP-1 (h4): 293T Lysate is suitable as a Western Blotting positive control for human reactive CKIP-1 antibodies. Recommended use: 10-20 µl per lane.

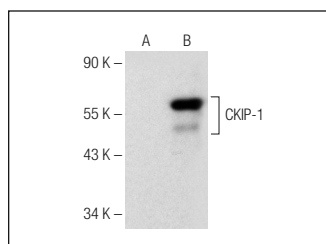
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CKIP-1 (A-3): sc-376060 is recommended as a positive control antibody for Western Blot analysis of enhanced human CKIP-1 expression in CKIP-1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

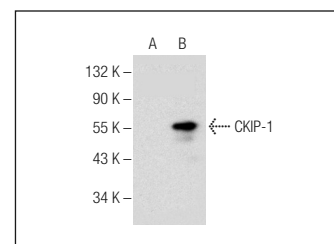
RECOMMENDED SUPPORT REAGENTS

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



CKIP-1 (A-3): sc-376060. Western blot analysis of CKIP-1 expression in non-transfected: sc-117752 (A) and human CKIP-1 transfected: sc-176668 (B) 293T whole cell lysates.



CKIP-1 (A-12): sc-376355. Western blot analysis of CKIP-1 expression in non-transfected: sc-117752 (A) and human CKIP-1 transfected: sc-176668 (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.