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



The Power to Question

BACKGROUND

Casein Kinase II-interacting protein 1 (CKIP-1), also designated pleckstrin homology domain containing family 0 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

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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 μ g protein in 200 μ l 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.

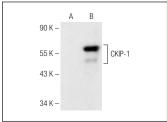
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

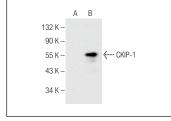
CKIP-1 (A-3): sc-376060 is recommended as a positive control antibody for Western Blot analysis of enhanced human CKIP-1 expression in CKIP-1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM 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

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 Ivsates.

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.

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