

Twinfilin-2 (h2): 293T Lysate: sc-112319

BACKGROUND

Twinfilin-2, also known as TWF2, A6r, A6RP or PTK9L, is a 349 amino acid protein that localizes to the perinuclear region of the cytoplasm, as well as to the cytoskeleton, and contains 2 ADF-H domains. Expressed ubiquitously, Twinfilin-2 functions as an actin-binding protein that is able to both bind and sequester G-actin and cap the barbed ends of actin filaments, thereby inhibiting actin polymerization and playing a role in actin-related motile and morphological processes. Twinfilin-2 is subject to post-translational phosphorylation by PKC ζ . The gene encoding Twinfilin-2 maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TWF2 (human) mapping to 3p21.2.

PRODUCT

Twinfilin-2 (h2): 293T Lysate represents a lysate of human Twinfilin-2 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.

PROTOCOLS

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

APPLICATIONS

Twinfilin-2 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Twinfilin-2 antibodies. Recommended use: 10-20 μ l per lane.

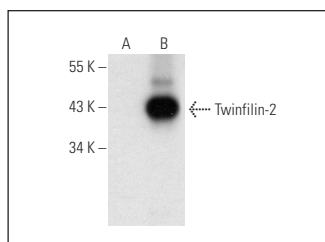
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Twinfilin-2 (F-2): sc-514305 is recommended as a positive control antibody for Western Blot analysis of enhanced human Twinfilin-2 expression in Twinfilin-2 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-IgG κ BP-HRP: sc-516102 or m-IgG κ 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



Twinfilin-2 (F-2): sc-514305. Western blot analysis of Twinfilin-2 expression in non-transfected: sc-117752 (A) and human Twinfilin-2 transfected: sc-112319 (B) 293T whole cell lysates.

RESEARCH USE

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