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TSC-22 D4 (m): 293T Lysate: sc-124325

BACKGROUND

Transforming growth factor β -stimulated clone-22 (TSC-22) acts as a transcriptional regulator to modulate cell growth and differentiation as well as cell death. TSC-22 contains a leucine zipper domain as well as a nuclear export signal, resulting in cytoplasmic localization in living cells. However, concomitant with the induction of apoptosis, TSC-22 translocates from the cytoplasm to the nucleus and shows transcriptional regulatory activity. TSC-22 acts as a major downstream component in both the TGF β pathway and the PPAR γ signaling pathway. The association of these two pathways with tumor suppression and the significant downregulation of TSC-22 mRNA in various cancer types implies an antiproliferative role for TSC-22. TSC-22 D4 (TSC22 domain family protein 4) also known as TILZ2 or THG-1 is a 395 amino acid protein that is related to TSC-22 and functions as a transcriptional repressor.

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CHROMOSOMAL LOCATION

Genetic locus: Tsc22d4 (mouse) mapping to 5 G2.

PRODUCT

TSC-22 D4 (m): 293T Lysate represents a lysate of mouse TSC-22 D4 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

TSC-22 D4 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TSC-22 D4 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.

STORAGE

Store at -20 $^{\circ}$ C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

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.