

THOC3 (h): 293 Lysate: sc-110698

BACKGROUND

WD-repeats are motifs that are found in a variety of proteins and are characterized by a conserved core of 40-60 amino acids that commonly form a tertiary propeller structure. While proteins that contain WD-repeats participate in a wide range of cellular functions, they are generally involved in regulatory mechanisms concerning chromatin assembly, cell cycle control, signal transduction, RNA processing, apoptosis and vesicular trafficking. THOC3 (THO complex subunit 3), also known as TEX1, is a 351 amino acid protein that localized to the nucleus and contains six WD repeats. Existing as a component of the heteromultimeric THO/TREX (transcription/export) complex, THOC3 plays a role in the coupling of Pol II elongation with RNA splicing and export factors, thereby participating in transcription and RNA export.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: THOC3 (human) mapping to 5q35.2.

PRODUCT

THOC3 (h): 293 Lysate represents a lysate of human THOC3 transfected 293 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.

RESEARCH USE

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

APPLICATIONS

THOC3 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive THOC3 antibodies. Recommended use: 10-20 µl per lane.

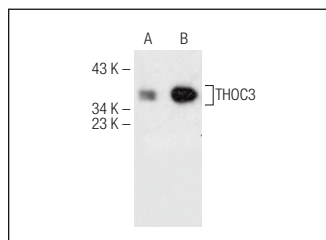
Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

THOC3 (A-9): sc-377456 is recommended as a positive control antibody for Western Blot analysis of enhanced human THOC3 expression in THOC3 transfected 293 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



THOC3 (A-9): sc-377456. Western blot analysis of THOC3 expression in non-transfected: sc-110760 (A) and human THOC3 transfected: sc-110698 (B) 293 whole cell lysates.

PROTOCOLS

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