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TCEA3 (m): 293T Lysate: sc-126083

BACKGROUND

TCEA3 (transcription elongation factor A (SII) protein 3), also known as TFIIIS, is a member of the TFS-II family. Transcription elongation factors of the TFS-II family are responsible for releasing RNA polymerase II (Pol II) from transcriptional arrest. DNA arresting sites can result in locked ternary complexes if elongating RNA polymerases are trapped. Transcription elongation factors function to activate the intrinsic RNA cleavage activity of RNA polymerases. This allows the RNA polymerase to cleave the nascent transcript, thereby forming a new 3'-terminus to resume elongation. TCEA3 is a 348 amino acid protein and it contains one TFIIIS N-terminal domain, one TFIIIS central domain and one TFIIIS-type zinc finger. TCEA3 localizes to the nucleus and binds to Pol II, functioning to assist its transcription elongation past arresting sites.

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CHROMOSOMAL LOCATION

Genetic locus: *Tcea3* (mouse) mapping to 4 D3.

PRODUCT

TCEA3 (m): 293T Lysate represents a lysate of mouse TCEA3 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

TCEA3 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TCEA3 antibodies. Recommended use: 10-20 μ l per lane.

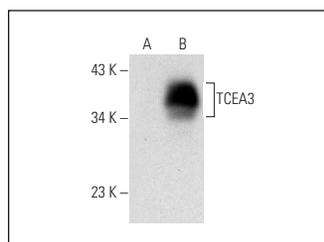
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

TCEA3 (E-7): sc-398464 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse TCEA3 expression in TCEA3 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



TCEA3 (E-7): sc-398464. Western blot analysis of TCEA3 expression in non-transfected: sc-117752 (A) and mouse TCEA3 transfected: sc-126083 (B) 293T whole cell lysates.

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.

PROTOCOLS

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