

TAF9B (h): 293T Lysate: sc-117407

BACKGROUND

In eukaryotic systems, the process of initiating transcription from protein-coding genes requires the presence of RNA polymerase II and a broad family of auxiliary transcription factors. Such factors can be divided into two major functional classes: the basal factors that mediate the transcription of all Pol II genes, including TFIIA, TFIIB, TFIID, TFIIIE, TFIIF and TFIIF, and sequence-specific factors that regulate gene expression. TFIID, one of the basal transcription factors, facilitates the preinitiation complex assembly through direct interactions with the TATA promoter element. TAF9B (transcription initiation factor TFIID subunit 9B), also known as TAF9L, is similar to TAF9 and is a component of the TFIID complex. Essential for cell viability, TAF9B is involved in transcriptional activation through its N-terminal association with TP53/p53, a protein essential for transcription. TAF9B is ubiquitously expressed and is localized to the nucleus.

REFERENCES

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3. Takada, R., Nakatani, Y., Hoffmann, A., Kokubo, T., Hasegawa, S., Roeder, R.G. and Horikoshi, M. 1990. Identification of human TFIID components and direct interaction between a 250-kDa polypeptide and the TATA box-binding protein (TFIIDt). *Proc. Natl. Acad. Sci. USA* 89: 11809-11813.
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5. Frontini, M., Soutoglou, E., Argentini, M., Bole-Feysot, C., Jost, B., Scheer, E. and Tora, L. 2005. TAF9B (formerly TAF9L) is a bona fide TAF that has unique and overlapping roles with TAF9. *Mol. Cell. Biol.* 25: 4638-4649.

CHROMOSOMAL LOCATION

Genetic locus: TAF9B (human) mapping to Xq21.1.

PRODUCT

TAF9B (h): 293T Lysate represents a lysate of human TAF9B transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

TAF9B (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TAF9B 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.

TAF9B (3365C4a): sc-81125 is recommended as a positive control antibody for Western Blot analysis of enhanced human TAF9B expression in TAF9B transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

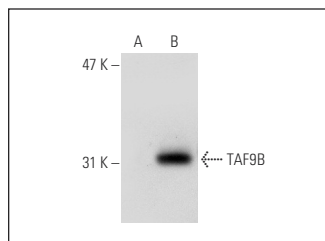
RESEARCH USE

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

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.

DATA



TAF9B (3365C4a): sc-81125. Western blot analysis of TAF9B expression in non-transfected: sc-117752 (A) and human TAF9B transfected: sc-117407 (B) 293T whole cell lysates.

PROTOCOLS

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