



TAF II p30 (m): 293T Lysate: sc-127627

BACKGROUND

TFIID is a general transcription factor that initiates preinitiation complex assembly through direct interaction with the TATA promoter element. Functioning as a multisubunit complex consisting of a small TATA-binding polypeptide and other TBP-associated factors (TAFs), TFIID mediates promoter responses to various transcriptional activators and repressors. TAF II p30, also known as TAF2A, TAF2H or TAFII30, is a 218 amino acid subunit of TFIID. Localized to the nucleus, TAF II p30 plays a role in transcriptional activation and is thought to be necessary for both cell cycle progression and cellular differentiation. Human TAF II p30 can be monomethylated at Lys-189, an event that increases TAF II p30 affinity for RNA polymerase (POLR), thereby enhancing POLR-mediated transcription.

REFERENCES

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4. Liu, X., et al. 2003. c-Myc transformation domain recruits the human STAGA complex and requires TRRAP and GCN5 acetylase activity for transcription activation. *J. Biol. Chem.* 278: 20405-20412.
5. Guermah, M., et al. 2003. The TBN protein, which is essential for early embryonic mouse development, is an inducible TAFII implicated in adipogenesis. *Mol. Cell* 12: 991-1001.
6. Kouskouti, A., et al. 2004. Gene-specific modulation of TAF10 function by SET9-mediated methylation. *Mol. Cell* 14: 175-182.
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CHROMOSOMAL LOCATION

Genetic locus: Taf10 (mouse) mapping to 7 E3.

PRODUCT

TAF II p30 (m): 293T Lysate represents a lysate of mouse TAF II p30 transfected 293T 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.

APPLICATIONS

TAF II p30 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TAF II p30 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.

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.