

Med30 (h2): 293T Lysate: sc-174753

BACKGROUND

Med30 is a subunit of the RNA polymerase II (Pol II) transcriptional mediator complex. The mediator complex is a coactivator involved in the regulated transcription of Pol II-dependent genes. The mediator complex functions as a bridge to convey information from gene-specific regulatory proteins to the basal Pol II transcription machinery, and is recruited to promoter regions by directly interacting with regulatory proteins. The mediator complex also serves as a scaffold for the assembly of a functional pre-initiation complex with Pol II and other general transcription factors. Found in the nucleus, Med30 is expressed in brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle.

REFERENCES

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6. Willis, I.M., Chua, G., Tong, A.H., Brost, R.L., Hughes, T.R., Boone, C. and Moir, R.D. 2008. Genetic interactions of MAF1 identify a role for Med20 in transcriptional repression of ribosomal protein genes. *PLoS Genet.* 4: e1000112.
7. Knuesel, M.T., Meyer, K.D., Donner, A.J., Espinosa, J.M. and Taatjes, D.J. 2009. The human CDK8 subcomplex is a histone kinase that requires Med12 for activity and can function independently of mediator. *Mol. Cell. Biol.* 29: 650-661.

CHROMOSOMAL LOCATION

Genetic locus: MED30 (human) mapping to 8q24.11.

PRODUCT

Med30 (h2): 293T Lysate represents a lysate of human Med30 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

Med30 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Med30 antibodies. Recommended use: 10-20 µl per lane.

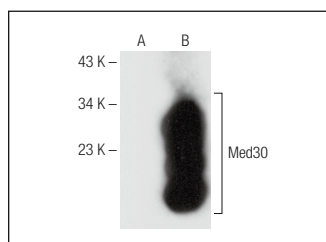
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Med30 (A-11): sc-374480 is recommended as a positive control antibody for Western Blot analysis of enhanced human Med30 expression in Med30 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

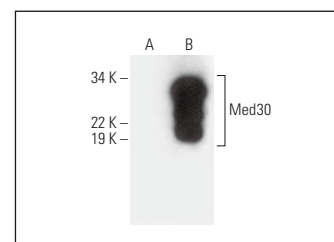
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-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



Med30 (A-11): sc-374480. Western blot analysis of Med30 expression in non-transfected: sc-117752 (A) and human Med30 transfected: sc-174753 (B) 293T whole cell lysates.



Med30 (C-6): sc-393289. Western blot analysis of Med30 expression in non-transfected: sc-117752 (A) and human Med30 transfected: sc-174753 (B) 293T whole cell lysates.

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.