SANTA CRUZ BIOTECHNOLOGY, INC.

Med2p (yC-20): sc-28058

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

The mediator complex, comprised of several subunits, bridges transcriptional regulators and RNA polymerase II for nearly all RNA polymerase II-dependent genes in the *Saccharomyces cerevisiae* genome. Med 2p, in addition to other subunits of RNA polymerase II (Pol II) Sin4 Mediator complex, is implicated in positive and negative transcriptional regulation. The multiprotein mediator complex of yeast offers an insight into the interface between general transcriptional machinery and "gene-specific" regulatory proteins in eukaryotes.

REFERENCES

1. Myers, L.C., et al. 1999. Mediator protein mutations that selectively abolish activated transcription. Proc. Natl. Acad. Sci. USA 96: 67-72.
2. Myers, L.C., et al. 2000. Mediator of transcriptional regulation. Annu. Rev. Biochem. 69: 729-749.
3. Bjorklund, S., et al. 2001. The yeast mediator. Mol. Cells 11: 129-136.
4. Gustafsson, C.M., et al. 2001. Mediator—a universal complex in transcriptional regulation. Mol. Microbiol. 41: 1-8.
5. Boube, M., et al. 2002. Evidence for a mediator of RNA polymerase II transcriptional regulation conserved from yeast to man. Cell 110: 143-151.
6. Reeves, W.M., et al. 2003. Activator-independent functions of the yeast mediator sin4 complex in preinitiation complex formation and transcription reinitiation. Mol. Cell. Biol. 23: 349-358.
7. Hallberg, M., et al. 2004. Site-specific Srb10-dependent phosphorylation of the yeast Mediator subunit Med2 regulates gene expression from the 2-microm plasmid. Proc. Natl. Acad. Sci. USA 101: 3370-3375.
8. Zhang. F., et al. 2004. A triad of subunits from the Gal11/tail domain of Srb mediator is an *in vivo* target of transcriptional activator Gcn4p. Mol. Cell. Biol. 24: 6871-6886.

SOURCE

Med2p (yC-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of Med2p of *Saccharomyces cerevisiae* origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-28058 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

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

APPLICATIONS

Med2p (yC-20) is recommended for detection of Med2p of *Saccharomyces cerevisiae* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

SELECT PRODUCT CITATIONS

1. Seizl, M., et al. 2011. Mediator head subcomplex Med11/22 contains a common helix bundle building block with a specific function in transcription initiation complex stabilization. Nucleic Acids Res. 39: 6291-6304.
2. Plaschka, C., et al. 2015. Architecture of the RNA polymerase II-mediator core initiation complex. Nature 518: 376-380.

RESEARCH USE

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