

# Med8 (FL-268): sc-98482

## BACKGROUND

In mammalian cells, transcription is regulated in part by high molecular weight co-activating complexes that mediate signals between transcriptional activators and RNA polymerase II (Pol II). The mediator complex is one such multi-protein structure that functions as a bridge between regulatory proteins and Pol II, thereby regulating Pol II-dependent transcription. Med8 (mediator complex subunit 8), also known as arc32 (activator-recruited cofactor 32 kDa component), is a 268 amino acid protein that localizes to the nucleus and exists as a component of the mediator complex. Involved in the pathway of protein modification and ubiquitination, Med8 is involved in transcriptional regulation and may also recruit E3 ubiquitin-protein ligase complexes to proteins targeted for proteasomal degradation. Multiple isoforms of Med8 exist due to alternative splicing events.

## REFERENCES

- Jiang, Y.W., et al. 1998. Mammalian mediator of transcriptional regulation and its possible role as an end-point of signal transduction pathways. Proc. Natl. Acad. Sci. USA 95: 8538-8543.
- Näär, A.M., et al. 1999. Composite co-activator ARC mediates chromatin-directed transcriptional activation. Nature 398: 828-832.

## CHROMOSOMAL LOCATION

Genetic locus: MED8 (human) mapping to 1p34.2; Med8 (mouse) mapping to 4 D2.1.

## SOURCE

Med8 (FL-268) is a rabbit polyclonal antibody raised against amino acids 1-268 representing full length Med8 of human origin.

## PRODUCT

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

## APPLICATIONS

Med8 (FL-268) is recommended for detection of Med8 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Med8 (FL-268) is also recommended for detection of Med8 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Med8 siRNA (h): sc-88195, Med8 siRNA (m): sc-149359, Med8 shRNA Plasmid (h): sc-88195-SH, Med8 shRNA Plasmid (m): sc-149359-SH, Med8 shRNA (h) Lentiviral Particles: sc-88195-V and Med8 shRNA (m) Lentiviral Particles: sc-149359-V.

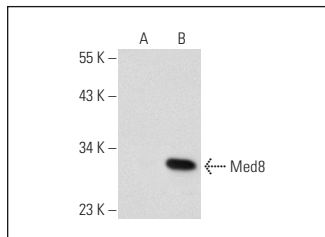
Molecular Weight of Med8: 29 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227 or Med8 (m): 293T Lysate: sc-125596.

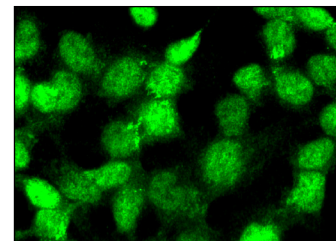
## RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

## DATA



Med8 (FL-268): sc-98482. Western blot analysis of Med8 expression in non-transfected: sc-117752 (A) and mouse Med8 transfected: sc-125596 (B) 293T whole cell lysates.



Med8 (FL-268): sc-98482. Immunofluorescence staining of formalin-fixed Hep G2 cells showing nuclear localization.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

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Guaranteed

Try **Med8 (A-5): sc-365960** or **Med8 (A-3): sc-365713**, our highly recommended monoclonal alternatives to Med8 (FL-268).