

# TAF II p30 (F-24): sc-102125

## 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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## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

## CHROMOSOMAL LOCATION

Genetic locus: TAF10 (human) mapping to 11p15.4; Taf10 (mouse) mapping to 7 F1.

## SOURCE

TAF II p30 (F-24) is a purified rabbit polyclonal antibody raised against TAF II p30 of human origin.

## PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## APPLICATIONS

TAF II p30 (F-24) is recommended for detection of TAF II p30 of mouse, human and dog 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)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TAF II p30 siRNA (h): sc-96590, TAF II p30 siRNA (m): sc-154050, TAF II p30 shRNA Plasmid (h): sc-96590-SH, TAF II p30 shRNA Plasmid (m): sc-154050-SH, TAF II p30 shRNA (h) Lentiviral Particles: sc-96590-V and TAF II p30 shRNA (m) Lentiviral Particles: sc-154050-V.

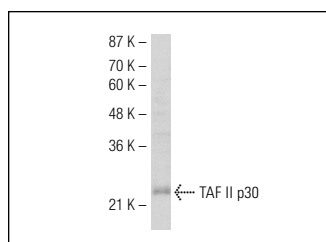
Molecular Weight of TAF II p30: 30 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

## 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).

## DATA



TAF II p30 (F-24): sc-102125. Western blot analysis of TAF II p30 expression in Jurkat whole cell lysate.

## RESEARCH USE

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