

TAF II p70 (T-14): sc-104686

BACKGROUND

TFIID is a general transcription factor that facilitates the preinitiation complex assembly through direct interactions with the TATA promoter element. TFIID is a multi-subunit complex consisting of a small TATA-binding polypeptide and other TBP-associated factors (TAFs). The TAF II family members include p18, p20, p28, p30, p31, p32, p70, p100, p105, p130, p170 and p250, which is the largest subunit of TFIID. TAF II p70 (TATA-binding protein (TBP) associated factor II70), also known as TAF6, TAF2E, TAFII70, TAFII80 or TAFII85, is a member of the basal transcription complex. TAF II p70 directly interacts with TAF II p31, TAF II p20 and TAF II p250. It forms a heterodimer with TAF II p31 and may function as a p53 co-activator. The TAF II p70/TAF II p31 heterodimer forms a histone-like octamer complex with the TAF II p105/TAF II p20 heterodimer. Several TAF II p70 isoforms exist due to alternative splicing.

REFERENCES

1. Matsui, T., et al. 1980. Multiple factors required for accurate initiation of transcription by purified RNA polymerase II. *J. Biol. Chem.* 255: 11992-11996.
2. Buratowski, S., et al. 1989. Five intermediate complexes in transcription initiation by RNA polymerase II. *Cell* 56: 549-561.
3. Takada, R., et al. 1990. Identification of human TFIID components and direct interaction between a 250 kDa polypeptide and the TATA box-binding protein (TFIID τ). *Proc. Natl. Acad. Sci. USA* 89: 11809-11813.
4. Wang, S., et al. 1997. Genes induced in programmed cell death of neuronal PC12 cells and developing sympathetic neurons *in vivo*. *Dev. Biol.* 188: 322-336.
5. Muscat, G.E., et al. 1998. The corepressor N-CoR and its variants RIP13 α and RIP13 δ 1 directly interact with the basal transcription factors TFIIB, TAFII32 and TAFII70. *Nucleic Acids Res.* 26: 2899-2907.

CHROMOSOMAL LOCATION

Genetic locus: TAF6 (human) mapping to 7q22.1; Taf6 (mouse) mapping to 5 G2.

SOURCE

TAF II p70 (T-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of TAF II p70 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-104686 X, 200 μ g/0.1 ml.

Blocking peptide available for competition studies, sc-104686 P, (100 μ g 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.

APPLICATIONS

TAF II p70 (T-14) is recommended for detection of TAF II p70 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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); non cross-reactive with other TAF II family members.

TAF II p70 (T-14) is also recommended for detection of TAF II p70 in additional species, including equine, canine and bovine.

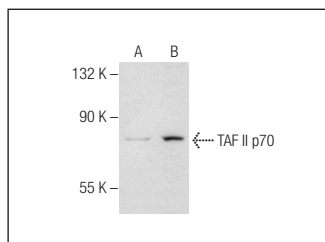
Suitable for use as control antibody for TAF II p70 siRNA (h): sc-89790, TAF II p70 siRNA (m): sc-106596, TAF II p70 shRNA Plasmid (h): sc-89790-SH, TAF II p70 shRNA Plasmid (m): sc-106596-SH, TAF II p70 shRNA (h) Lentiviral Particles: sc-89790-V and TAF II p70 shRNA (m) Lentiviral Particles: sc-106596-V.

TAF II p70 (T-14) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of predominant TAF II p70 isoforms: 72/78 kDa.

Positive Controls: A-431 nuclear extract: sc-2122, A-431 whole cell lysate: sc-2201 or HeLa whole cell lysate: sc-2200.

DATA



TAF II p70 (T-14): sc-104686. Western blot analysis of TAF II p70 expression in A-431 whole cell lysate (A) and A-431 nuclear extract (B).

RESEARCH USE

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

PROTOCOLS

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

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Try **TAF II p70 (D-10): sc-393842** or **TAF II p70 (585D4a): sc-81124**, our highly recommended monoclonal alternatives to TAF II p70 (T-14).