

TAF II p70 (W-16): sc-104687

BACKGROUND

TFIID is a general transcription factor that facilitates the preinitiation complex assembly through direct interactions with the TATA promoter element. TFIID is a multisubunit 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 coactivator. 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

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CHROMOSOMAL LOCATION

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

STORAGE

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

SOURCE

TAF II p70 (W-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TAF II p70 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.

Blocking peptide available for competition studies, sc-104687 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-104687 X, 200 µg/0.1 ml.

APPLICATIONS

TAF II p70 (W-16) 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), 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 (W-16) 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 (W-16) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

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

Positive Controls: HEK293 whole cell lysate: sc-45136, A-431 whole cell lysate: sc-2201 or HeLa whole cell lysate: sc-2200.

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. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

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