

# TAF II p135 (P-17): sc-85938

## 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 p135, also known as TAF4, TAF2C, TAF2C1, TAF4A or TAFII130, is a 1,085 amino acid subunit of TFIID that accelerates transcriptional activation triggered by thyroid hormone (TR) or retinoic acid (RA). Localized to the nucleus, TAF II p135 contains one TAFH domain and is thought to bind to proteins that contain glutamine-rich domains, such as the transcription factor CREB. Via its binding to glutamine-rich proteins, TAF II p135 may be associated with neurodegenerative polyglutamine diseases, such as DRPLA (dentatorubropallidolysian atrophy), HD (Huntington's disease) and SCA (spinocerebellar ataxia).

## REFERENCES

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3. Dunah, A.W., et al. 2002. Sp1 and TAFII130 transcriptional activity disrupted in early Huntington's disease. *Science* 296: 2238-2243.
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## CHROMOSOMAL LOCATION

Genetic locus: TAF4 (human) mapping to 20q13.33; Taf4a (mouse) mapping to 2 H4.

## RESEARCH USE

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

## SOURCE

TAF II p135 (P-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TAF II p135 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-85938 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

TAF II p135 (P-17) is recommended for detection of TAF II p135 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).

Suitable for use as control antibody for TAF II p135 siRNA (h): sc-76626, TAF II p135 siRNA (m): sc-154046, TAF II p135 shRNA Plasmid (h): sc-76626-SH, TAF II p135 shRNA Plasmid (m): sc-154046-SH, TAF II p135 shRNA (h) Lentiviral Particles: sc-76626-V and TAF II p135 shRNA (m) Lentiviral Particles: sc-154046-V.

Molecular Weight of TAF II p135: 135 kDa.

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

## STORAGE

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



Try **TAF II p135 (22): sc-136093**, our highly recommended monoclonal alternative to TAF II p135 (P-17).