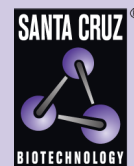


# TAF II p130 (4A6): sc-736



The Power to Question

## BACKGROUND

TFIID is a general transcription factor which initiates preinitiation complex assembly through direct interaction with the TATA promoter element. It is a multisubunit complex consisting of a small TATA-binding polypeptide and other TBP-associated factors (TAFs). Although native TFIID can mediate both activator-independent (basal) and activator-dependent transcription in reconstituted systems, TBP can mediate only basal transcription. The largest subunit (TAF) of TFIID is a protein designated TAF II p250. TAF II p250 has been cloned and shown to be identical to CCG1, a nuclear DNA-binding protein known to be important for cell cycle progression. This part of TAFII p250 may serve a specific function in activation of a subset of genes important for cell cycle progression. Human TAFII p130 is a coactivator for NFAT transcriptional activators that regulate the expression of cytokines.

## CHROMOSOMAL LOCATION

Genetic locus: TAF4 (human) mapping to 20q13.33.

## SOURCE

TAF II p130 (4A6) is a mouse monoclonal antibody produced by immunization with TAF II p130 isolated from HeLa cells.

## PRODUCT

Each vial contains 200 µg IgG<sub>2a</sub> kappa light chain 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-736 X, 200 µg/0.1 ml.

TAF II p130 (4A6) is available conjugated to agarose (sc-736 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-736 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-736 PE), fluorescein (sc-736 FITC), Alexa Fluor® 488 (sc-736 AF488), Alexa Fluor® 546 (sc-736 AF546), Alexa Fluor® 594 (sc-736 AF594) or Alexa Fluor® 647 (sc-736 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-736 AF680) or Alexa Fluor® 790 (sc-736 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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## APPLICATIONS

TAF II p130 (4A6) is recommended for detection of TAF II p130 of 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 immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500); non cross-reactive with TAF II p130 of hamster or *Drosophila* origin.

TAF II p130 (4A6) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

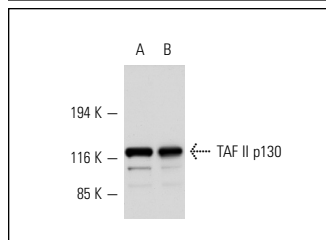
Molecular Weight of TAF II p130: 130 kDa.

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

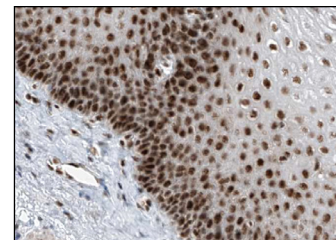
## STORAGE

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

## DATA



TAF II p130 (4A6): sc-736. Western blot analysis of hTAF II p130 expression in HeLa (A) and A-431 (B) whole cell lysates.



TAF II p130 (4A6): sc-736. Immunoperoxidase staining of formalin fixed, paraffin-embedded human esophagus tissue showing nuclear staining of squamous epithelial cells at high magnification. Kindly provided by The Swedish Human Protein Atlas (HPA) program.

## SELECT PRODUCT CITATIONS

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- Ha, C. and Lim, K. 2015. O-GlcNAc modification of Sp3 and Sp4 transcription factors negatively regulates their transcriptional activities. *Biochem. Biophys. Res. Commun.* 467: 341-347.

## RESEARCH USE

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