

TAF II p250 (6B3): sc-735



The Power to Question

BACKGROUND

TFIID is a general transcription factor which initiates pre-initiation complex assembly through direct interaction with the TATA promoter element. It is a multi-subunit 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. Of interest, 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 TAF II p250 may serve a specific function in activation of a subset of genes important for cell cycle progression.

CHROMOSOMAL LOCATION

Genetic locus: TAF1 (human) mapping to Xq13.1.

SOURCE

TAF II p250 (6B3) is a mouse monoclonal antibody raised against TAF II p250 isolated from HeLa cells of human origin.

PRODUCT

Each vial contains 200 µg IgG₁ 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-735 X, 200 µg/0.1 ml.

TAF II p250 (6B3) is available conjugated to agarose (sc-735 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-735 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-735 PE), fluorescein (sc-735 FITC), Alexa Fluor® 488 (sc-735 AF488), Alexa Fluor® 546 (sc-735 AF546), Alexa Fluor® 594 (sc-735 AF594) or Alexa Fluor® 647 (sc-735 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-735 AF680) or Alexa Fluor® 790 (sc-735 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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APPLICATIONS

TAF II p250 (6B3) is recommended for detection of TAF II p250 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 p250 of hamster or *Drosophila* origin.

Suitable for use as control antibody for TAF II p250 siRNA (h): sc-37169, TAF II p250 shRNA Plasmid (h): sc-37169-SH and TAF II p250 shRNA (h) Lentiviral Particles: sc-37169-V.

TAF II p250 (6B3) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

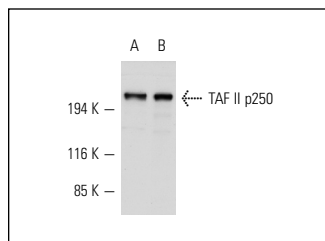
Molecular Weight of TAF II p250: 250 kDa.

Positive Controls: HeLa nuclear extract: sc-2120, A-431 whole cell lysate: sc-2201 or HeLa whole cell lysate: sc-2200.

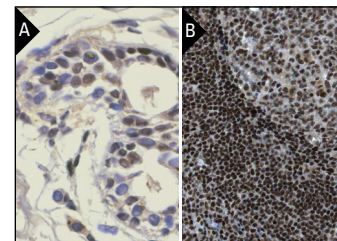
STORAGE

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

DATA



TAF II p250 (6B3): sc-735. Western blot analysis of hTAF II p250 expression in HeLa (A) and A-431 (B) whole cell lysates.



TAF II p250 (6B3): sc-735. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human breast tumor showing nuclear staining (A). Immunoperoxidase staining of formalin fixed, paraffin-embedded human tonsil tissue showing nuclear staining of lymphoid cells and squamous epithelial cells. Kindly provided by The Swedish Human Protein Atlas (HPA) program (B).

SELECT PRODUCT CITATIONS

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- Liu, X., et al. 2008. STAGA recruits Mediator to the MYC oncoprotein to stimulate transcription and cell proliferation. *Mol. Cell. Biol.* 28: 108-121.
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- Kim, E.L., et al. 2010. Chloroquine activates the p53 pathway and induces apoptosis in human glioma cells. *Neuro Oncol.* 12: 389-400.
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RESEARCH USE

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