

TIP120B (R-140): sc-25385

BACKGROUND

TATA-binding protein (TBP) forms complexes with various nuclear proteins and is a target for various transcriptional regulators, such as TIP120. The two members of the TIP120 family of proteins, TIP120A and TIP120B, are TBP-Interacting Proteins that function as global activators in transcriptional regulation. TIP120A is a ubiquitously expressed protein isolated from rat liver nuclear extracts, originally named TIP120. TIP120B is a TIP-120A-like protein that is expressed specifically in muscle tissues. TIP120A binds directly to TBP and a particular subunit of RNA polymerases (RNAP) to facilitate specific integration of RNAP II into the preinitiation complex (PIC). In addition to being a transcription factor of TBP, the chaperone-like activity toward the RNA polymerases demonstrates that TIP120 regulates the amplification of multiple gene expression.

CHROMOSOMAL LOCATION

Genetic locus: CAND2 (human) mapping to 3p25.2; Cand2 (mouse) mapping to 6 E3.

SOURCE

TIP120B (R-140) is a rabbit polyclonal antibody raised against amino acids 431-570 of TIP120B of rat origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-25385 X, 200 µg/0.1 ml.

APPLICATIONS

TIP120B (R-140) is recommended for detection of TIP120B of mouse, rat and 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 solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

TIP120B (R-140) is also recommended for detection of TIP120B in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for TIP120B siRNA (h): sc-36681, TIP120B siRNA (m): sc-36682, TIP120B shRNA Plasmid (h): sc-36681-SH, TIP120B shRNA Plasmid (m): sc-36682-SH, TIP120B shRNA (h) Lentiviral Particles: sc-36681-V and TIP120B shRNA (m) Lentiviral Particles: sc-36682-V.

TIP120B (R-140) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

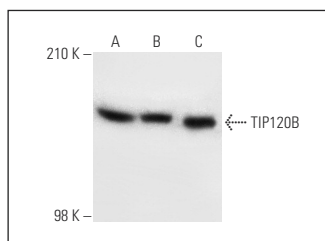
Molecular Weight of TIP120B: 151 kDa.

Positive Controls: C2C12 whole cell lysate: sc-364188, mouse brain extract: sc-2253 or Sol8 cell lysate: sc-2249.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



TIP120B (R-140): sc-25385. Western blot analysis of TIP120B expression in C2C12 (A) and Sol8 (B) whole cell lysates and mouse brain tissue extract (C).

STORAGE

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

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.



Try **TIP120B (H-7): sc-515406**, our highly recommended monoclonal alternative to TIP120B (R-140).