**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.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: CAND1 (human) mapping to 12q14.3; Cand1 (mouse) mapping to 10 D2.

**PRODUCT**

Each vial contains 200 µg IgM 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-373718 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-373718 P, (100 µg peptide in 0.5 ml PBS containing <0.1% sodium azide and 0.2% stabilizer protein).

**APPLICATIONS**

TIP120A (D-9) is recommended for detection of TIP120A of mouse, rat and human origin by Western Blotting (starting dilution 1:100, 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).

TIP120A (D-9) is also recommended for detection of TIP120A in additional species, including equine, bovine and porcine.

Suitable for use as control antibody for TIP120A siRNA (h): sc-37174,
TIP120A siRNA (m): sc-37175, TIP120A shRNA Plasmid (h): sc-37174-SH,
TIP120A shRNA Plasmid (m): sc-37175-SH, TIP120A shRNA (h) Lentiviral Particles: sc-37174-V and TIP120A siRNA (m) Lentiviral Particles: sc-37175-V.

TIP120A (D-9) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

**STORAGE**

TIP120A (D-9): sc-373718. Western blot analysis of TIP120A expression in Jurkat [A], Sanz-2 [B], RAW 264.7 [C], NIH/3T3 [D], H19-7/GF-IR [E] and PC-12 [F] whole cell lysates.

TIP120A (D-9) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGk BP-HRP: sc-516102 or m-IgGk BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein L-Agarose: sc-2336 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgGk BP-TRITC: sc-516140 or m-IgGk BP-PE: sc-516141 (dilution range: 1:50-1:200) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

**DATA**

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

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**SOURCE**

TIP120A (D-9) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 2-21 at the N-terminus of TIP120A of rat origin.

**RESEARCH USE**

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