

TIF1 β (Y-16): sc-19169

BACKGROUND

TIF1 β , for transcriptional intermediary factor 1 β , also designated KAP1 (for KRAB-associated protein 1), TF1 β and TRIM28 (for tripartite motif-containing 28), is a member of the tripartite motif family characterized by three zinc-binding domains, a RING finger, B-boxes and a coiled-coil domain. Like TIF1 α , TIF1 β contains both a Cys/His PHD (plant homeodomain) finger and bromodomain that form a cooperative unit required for transcriptional repression. TIF1 β mediates transcriptional control by interaction with the Kruppel-associated box (KRAB) repression domain found in many transcription factors and by binding DNA through its zinc finger. The human TIF1 β gene maps to human chromosome 19q13.4 and encodes an 835 amino acid nuclear protein.

CHROMOSOMAL LOCATION

Genetic locus: TRIM28 (human) mapping to 19q13.43; Trim28 (mouse) mapping to 7 A1.

SOURCE

TIF1 β (Y-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of TIF1 β of human origin.

PRODUCT

Each vial contains 200 μ g IgG 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-19169 X, 200 μ g/0.1 ml.

Blocking peptide available for competition studies, sc-19169 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

TIF1 β (Y-16) is recommended for detection of TIF1 β of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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).

TIF1 β (Y-16) is also recommended for detection of TIF1 β in additional species, including canine.

Suitable for use as control antibody for TIF1 β siRNA (h): sc-38550, TIF1 β siRNA (m): sc-38551, TIF1 β shRNA Plasmid (h): sc-38550-SH, TIF1 β shRNA Plasmid (m): sc-38551-SH, TIF1 β shRNA (h) Lentiviral Particles: sc-38550-V and TIF1 β shRNA (m) Lentiviral Particles: sc-38551-V.

TIF1 β (Y-16) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

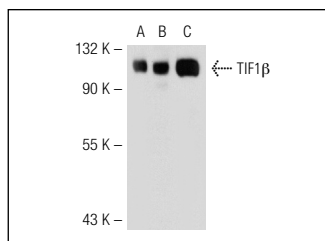
Molecular Weight of TIF1 β : 100 kDa.

Positive Controls: TIF1 β (h): 293T Lysate: sc-116358, CCRF-CEM cell lysate: sc-2225 or NIH/3T3 whole cell lysate: sc-2210.

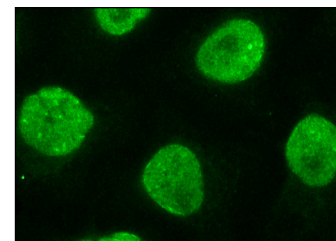
RECOMMENDED SECONDARY REAGENTS

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



TIF1 β (Y-16): sc-19169. Western blot analysis of TIF1 β expression in non-transfected 293T: sc-117752 (A), human TIF1 β transfected 293T: sc-116358 (B) and CCRF-CEM (C) whole cell lysates.



TIF1 β (Y-16): sc-19169. Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear localization.

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.

MONOS
Satisfaction
Guaranteed

Try **TIF1 β (23): sc-136102**, our highly recommended monoclonal alternative to TIF1 β (Y-16).