SANTA CRUZ BIOTECHNOLOGY, INC.

TADA3L (H-300): sc-98821

BACKGROUND

ADA3 (transcriptional adapter 3-like, STAF54) is a 432 amino acid protein encoded by the human gene TADA3L. ADA3 is a ubiquitously expressed nuclear protein that functions as a component of the PCAF (p300/CBP-associated factor) complex. The PCAF complex is capable of efficiently acetylating histones in a nucleosomal context. The PCAF complex is the human homolog of the yeast SAGA complex. ADA3 interacts with the E6 gene and is a target of E6-induced degradation. ADA3 binds selectively to the high-risk HPV E6 proteins and immortalization-competent E6 mutants. ADA3 functions as a co-activator for p53-mediated transactivation by stabilizing p53 protein.

REFERENCES

1. Sterner, D.E., Nathan, D., Reindle, A., Johnson, E.S. and Berger, S.L. 2006. SUMOylation of the yeast GCN5 protein. Biochemistry 45: 1035-1042.
2. Guelman, S., Suganuma, T., Florens, L., Swanson, S.K., Kiesecker, C.L., Kusch, T., Anderson, S., Washburn, M.P., Abmayr, S.M. and Workman, J.L. 2006. Host cell factor and an uncharacterized SANT domain protein are stable components of ATAC, a novel dADA2A/dGCN5-containing histone acetyltransferase complex in *Drosophila*. Mol. Cell. Biol. 26: 871-882.

CHROMOSOMAL LOCATION

Genetic locus: TADA3 (human) mapping to 3p25.3; Tada3 (mouse) mapping to 6 E3.

SOURCE

TADA3L (H-300) is a rabbit polyclonal antibody raised against amino acids 1-286 mapping at the N-terminus of TADA3L of human origin.

PRODUCT

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

APPLICATIONS

TADA3L (H-300) is recommended for detection of TADA3L 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).

TADA3L (H-300) is also recommended for detection of TADA3L in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for TADA3L siRNA (h): sc-78466, TADA3L siRNA (m): sc-77411, TADA3L shRNA Plasmid (h): sc-78466-SH, TADA3L shRNA Plasmid (m): sc-77411-SH, TADA3L shRNA (h) Lentiviral Particles: sc-78466-V and TADA3L shRNA (m) Lentiviral Particles: sc-77411-V.

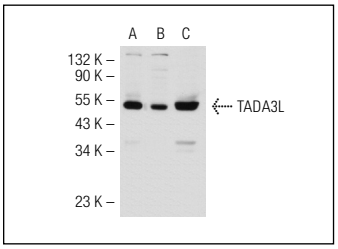
Molecular Weight of TADA3L isoforms: 49/41 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, NIH/3T3 whole cell lysate: sc-2210 or TADA3L (m3): 293T Lysate: sc-118235.

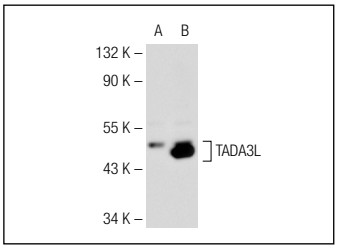
RECOMMENDED SECONDARY REAGENTS

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



TADA3L (H-300): sc-98821. Western blot analysis of TADA3L expression in HeLa (**A**), NIH/3T3 (**B**) and OV-90 (**C**) whole cell lysates.



TADA3L (H-300): sc-98821. Western blot analysis of TADA3L expression in non-transfected: sc-117752 (**A**) and mouse TADA3L transfected: sc-118235 (**B**) 293T whole cell lysates.

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.