

TudorSN (H-300): sc-67128

BACKGROUND

TudorSN functions in the Pim-1 regulation of Myb activity and acts as a transcriptional activator of EBNA-2. TudorSN also interacts with EAV, NSP1, GTF2E1 and GTF2E2, and forms a ternary complex with Stat6 and POLR2A. The staphylococcal nuclease-like (SN)-domains directly interact with amino acids 1099-1758 of CBP. TudorSN plays an important role in the assembly of Stat6 transcriptome and stimulates IL-4-dependent transcription by mediating interaction between Stat6 and CBP.

REFERENCES

- Levenson, J.D., et al. 1998. Pim-1 kinase and p100 cooperate to enhance c-Myb activity. *Mol. Cell* 2: 417-425.
- Tijms, M.A., et al. 2003. Equine arteritis virus non-structural protein 1, an essential factor for viral subgenomic mRNA synthesis, interacts with the cellular transcription J. *Gen. Virol.* 84: 2317-2322.

CHROMOSOMAL LOCATION

Genetic locus: SND1 (human) mapping to 7q32.1; Snd1 (mouse) mapping to 6 A3.3.

SOURCE

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

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-67128 X, 200 µg/0.1 ml.

APPLICATIONS

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

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

Suitable for use as control antibody for TudorSN siRNA (h): sc-45514, TudorSN siRNA (m): sc-45515, TudorSN shRNA Plasmid (h): sc-45514-SH, TudorSN shRNA Plasmid (m): sc-45515-SH, TudorSN shRNA (h) Lentiviral Particles: sc-45514-V and TudorSN shRNA (m) Lentiviral Particles: sc-45515-V.

TudorSN (H-300) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

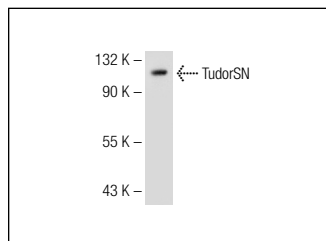
Molecular Weight of TudorSN: 100 kDa.

Positive Controls: mouse liver extract: sc-2256.

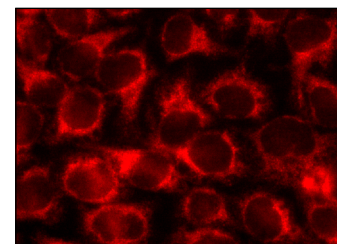
RECOMMENDED SECONDARY REAGENTS

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



TudorSN (H-300): sc-67128. Western blot analysis of TudorSN expression in mouse liver tissue extract.



TudorSN (H-300): sc-67128. Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic localization.

SELECT PRODUCT CITATIONS

- Gao, X., et al. 2014. Human Tudor staphylococcal nuclease (Tudor-SN) protein modulates the kinetics of AGTR1-3'UTR granule formation. *FEBS Lett.* 588: 2154-2161.

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.


 MONOS
Satisfaction
Guaranteed

Try **TudorSN (F-5): sc-166676** or **TudorSN (C-9): sc-271590**, our highly recommended monoclonal alternatives to TudorSN (H-300).