

TudorSN (m): 293T Lysate: sc-124365

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

1. Levenson, J.D., et al. 1998. Pim-1 kinase and p100 cooperate to enhance c-Myb activity. *Mol. Cell* 2: 417-425.
2. 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.
3. Pauku, K., et al. 2003. Tudor and nuclease-like domains containing protein p100 function as coactivators for signal transducer and activator of transcription 5. *Mol. Endocrinol.* 17: 1805-1814.
4. Broadhurst, M.K., et al. 2005. The p100 EBNA-2 coactivator: a highly conserved protein found in a range of exocrine and endocrine cells and tissues in cattle. *Biochim. Biophys. Acta* 1681: 126-133.
5. Valineva, T., et al. 2005. The transcriptional co-activator protein p100 recruits histone acetyltransferase activity to Stat6 and mediates interaction between the CREB-binding protein and Stat6. *J. Biol. Chem.* 280: 14989-14996.

CHROMOSOMAL LOCATION

Genetic locus: Snd1 (mouse) mapping to 6 A3.3.

PRODUCT

TudorSN (m): 293T Lysate represents a lysate of mouse TudorSN transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

APPLICATIONS

TudorSN (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive TudorSN antibodies. Recommended use: 10-20 µl per lane.

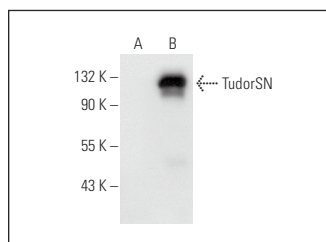
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

TudorSN (E-11): sc-166518 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse TudorSN expression in TudorSN transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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.

DATA



TudorSN (E-11): sc-166518. Western blot analysis of TudorSN expression in non-transfected: sc-117752 (A) and mouse TudorSN transfected: sc-124365 (B) 293T whole cell lysates.

RESEARCH USE

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