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## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


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SANTA CRUZ BIOTECHNOLOGY, INC.

# WT1 (h): 293T Lysate: sc-117178

## BACKGROUND

Wilms' tumor (WT) is an embryonal malignancy of the kidney that affects 1 in 10,000 infants and, like retinoblastoma, is observed in both sporadic and inherited forms. The Wilms' tumor locus has been mapped at chromosome 11p13 as a tumor suppressor gene which encodes a DNA binding protein with four zinc fingers and a glutamine-proline rich amino-terminus. The Wilms' tumor protein binds the DNA sequence GCGGGGGCG, a recognition element common to the early growth response (Egr) family of $Zn^{2+}$ finger transcriptional activators. However, in contrast to Egr transcription factors, WT1 behaves as a transcriptional repressor in transient transfection assays with synthetic promotor constructs.

## REFERENCES


1. Matsunaga, E. 1981. Genetics of Wilms' tumor. Hum. Genet. 57: 231-246.
2. Weissman, B.E., et al. 1987. Introduction of a normal human chromosome 11 into a Wilms' tumor cell line controls its tumorigenic expression. Science 236: 175-180.
3. Call, K.M., et al. 1990. Isolation and characterization of a zinc finger polypeptide gene at the human chromosome 11 Wilms' tumor locus. Cell 60: 509-520.
4. Gessler, M., et al. 1990. Homozygous deletion in Wilms' tumours of a zinc finger gene identified by chromosome jumping. Nature 343: 774-778.
5. Morris, J.F., et al. 1991. Characterization of the zinc finger protein encoded by the WT1 Wilms' tumor locus. Oncogene 6: 2339-2348.
6. Drummond, I.A., et al. 1992. Repression of the insulin-like growth factor-II gene by the Wilms' tumor suppressor WT1. Science 257: 674-678.
7. Little, M.H., et al. 1992. Zinc finger point mutations within the WT1 gene in Wilms' tumor patients. Proc. Natl. Acad. Sci. USA 89: 4791-4795.
8. Wang, Z.Y., et al. 1992. The Wilms' tumor gene product, WT1, represses transcription of the platelet-derived growth factor A-chain gene. J. Biol. Chem. 267: 21999-22002.
9. Yang, L., et al. 2007. A tumor suppressor and oncogene: the WT1 story. Leukemia 21: 868-876.


## CHROMOSOMAL LOCATION

Genetic locus: WT1 (human) mapping to 11p13.

## PRODUCT

WT1 (h): 293T Lysate represents a lysate of human WT1 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.

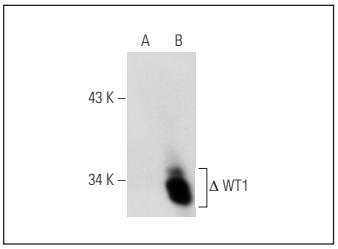
## APPLICATIONS

WT1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive WT1 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.

WT1 (F-6): sc-7385 is recommended as a positive control antibody for Western Blot analysis of enhanced human WT1 expression in WT1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## DATA




WT1 (F-6): sc-7385. Western blot analysis of WT1 expression in non-transfected: sc-117752 (**A**) and truncated human WT1 transfected: sc-117178 (**B**) 293T whole cell lysates.

## RESEARCH USE

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