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TEX13A (h2): 293T Lysate: sc-115653

BACKGROUND

TEX13A (testis-expressed sequence 13A) is a 409 amino acid protein that is expressed specifically in the testis. One of two human orthologs of the mouse Tex13 protein, TEX13A contains one RanBP2-type zinc finger domain; a motif that is thought to be involved in nucleocytoplasmic transport. Like its mouse counterpart, the gene encoding TEX13A is located on chromosome X, suggesting a possible role in the pre-meiotic stages of mammalian spermatogenesis. Translocations in the chromosomal region in which the TEX13A gene is located may be involved in the pathogenesis of azoospermia, a condition characterized by a complete absence of sperm in male semen. Chromosome X contains nearly 153 million base pairs and houses over 1,000 genes. In conjunction with chromosome Y, chromosome X is responsible for sex determination. There are a number of conditions related to an abnormal number and combination of sex chromosomes, some of which include Turner's syndrome, color blindness, hemophilia and Duchenne muscular dystrophy.

REFERENCES

1. Givens, J.R., Wilroy, R.S., Summitt, R.L., Andersen, R.N., Wiser, W.L. and Fish, S.A. 1975. Features of Turner's syndrome in women with polycystic ovaries. *Obstet. Gynecol.* 45: 619-624.
2. Patzak, D., Zhuchenko, O., Lee, C.C. and Wehnert, M. 1999. Identification, mapping, and genomic structure of a novel X-chromosomal human gene (SMPX) encoding a small muscular protein. *Hum. Genet.* 105: 506-512.
3. Wang, P.J., McCarrey, J.R., Yang, F. and Page, D.C. 2001. An abundance of X-linked genes expressed in spermatogonia. *Nat. Genet.* 27: 422-426.
4. Online Mendelian Inheritance in Man, OMIM[™]. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 300312. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
5. Lee, S., Lee, S.H., Chung, T.G., Kim, H.J., Yoon, T.K., Kwak, I.P., Park, S.H., Cha, W.T., Cho, S.W. and Cha, K.Y. 2003. Molecular and cytogenetic characterization of two azoospermic patients with X-autosome translocation. *J. Assist. Reprod. Genet.* 20: 385-389.
6. Wang, P.J., Page, D.C. and McCarrey, J.R. 2005. Differential expression of sex-linked and autosomal germ-cell-specific genes during spermatogenesis in the mouse. *Hum. Mol. Genet.* 14: 2911-2918.

CHROMOSOMAL LOCATION

Genetic locus: TEX13A (human) mapping to Xq22.3.

PRODUCT

TEX13A (h2): 293T Lysate represents a lysate of human TEX13A 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.

RESEARCH USE

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

APPLICATIONS

TEX13A (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive TEX13A antibodies. Recommended use: 10-20 µl per lane.

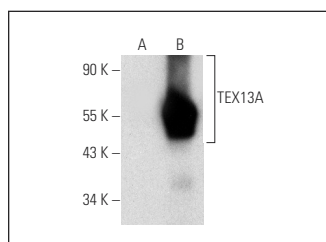
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

TEX13A (B-1): sc-398910 is recommended as a positive control antibody for Western Blot analysis of enhanced human TEX13A expression in TEX13A transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

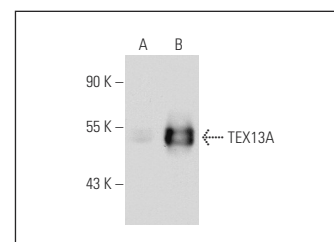
RECOMMENDED SUPPORT REAGENTS

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



TEX13A (B-1): sc-398910. Western blot analysis of TEX13A expression in non-transfected: sc-117752 (A) and human TEX13A transfected: sc-115653 (B) 293T whole cell lysates.



TEX13A (A-13): sc-100945. Western blot analysis of TEX13A expression in non-transfected: sc-117752 (A) and human TEX13A transfected: sc-115653 (B) 293T whole cell lysates.

PROTOCOLS

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