

Tenascin-X (h): 293T Lysate: sc-115036

BACKGROUND

The Tenascin family of extracellular matrix proteins includes Tenascin (also known as cytotactin or Tenascin-C), Tenascin-R (also designated Restrictin or Janusin) and Tenascin-X. Tenascin proteins function as substrate-adhesion molecules (SAMs) and are involved in regulating numerous developmental processes, such as morphogenetic cell migration and organogenesis. The Tenascin family proteins arise from various splicing events in the region of coding for FNIII repeats. Tenascin and Tenascin-X are expressed in several tissues during embryogenesis, and in adult tissues undergoing active remodeling, such as healing wounds and tumors. Tenascin-R (TN-R) is expressed on the surface of neurons and glial cells.

REFERENCES

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2. Schachner, M., Taylor, J., Bartsch, U. and Pesheva, P. 1994. The perplexing multifunctionality of janusin, a tenascin-related molecule. *Perspect. Dev. Neurobiol.* 2: 33-41.
3. Chiquet-Ehrismann, R. 1995. Tenascins, a growing family of extracellular matrix proteins. *Experientia* 51: 853-862.
4. Eleftheriou, F., Exposito, J.Y., Garrone, R. and Lethias, C. 1997. Characterization of the bovine tenascin-X. *J. Biol. Chem.* 272: 22866-22874.
5. Faissner, A. 1997. The Tenascin gene family in axon growth and guidance. *Cell Tissue Res.* 290: 331-341.
6. Srinivasan, J., Schachner, M. and Catterall, W.A. 1998. Interaction of voltage-gated sodium channels with the extracellular matrix molecules tenascin-C and tenascin-R. *Proc. Natl. Acad. Sci. USA* 95: 15753-15757.

CHROMOSOMAL LOCATION

Genetic locus: TNXB (human) mapping to 6p21.33.

PRODUCT

Tenascin-X (h): 293T Lysate represents a lysate of human Tenascin-X transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

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

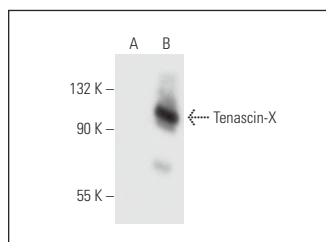
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Tenascin-X (F-11): sc-271594 is recommended as a positive control antibody for Western Blot analysis of enhanced human Tenascin-X expression in Tenascin-X transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

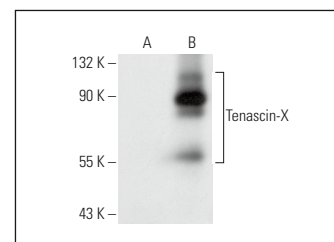
RECOMMENDED SUPPORT REAGENTS

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



Tenascin-X (F-11): sc-271594. Western blot analysis of Tenascin-X expression in non-transfected: sc-117752 (A) and human Tenascin-X transfected: sc-115036 (B) 293T whole cell lysates.



Tenascin-X (H-10): sc-166456. Western blot analysis of Tenascin-X expression in non-transfected: sc-117752 (A) and human Tenascin-X transfected: sc-115036 (B) 293T whole cell lysates.

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.

PROTOCOLS

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