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ADAMTS-14 (h): 293T Lysate: sc-127939

BACKGROUND

ADAMTS (a disintegrin and metalloproteinase domain with Thrombospondin type-1 modules) is a family of zinc-dependent proteases that are implicated in a variety of normal and pathological conditions, including arthritis and cancer. ADAMTS protein family members contain an amino-terminal pro-peptide domain, a metalloproteinase domain, a disintegrin-like domain and a carboxy-terminus that contains a varying number of Thrombospondin type-1 (TSP-1) motifs. ADAMTS-14 has a structure that is characteristic of its family and includes four Thrombospondin modules. ADAMTS-14 is most predominantly found in collagen-rich tissue, but can also be found at significant levels in other tissues, such as lung and kidney. ADAMTS-14 may play a major role as a collagen biosynthetic enzyme.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ADAMTS14 (human) mapping to 10q22.1.

PRODUCT

ADAMTS-14 (h): 293T Lysate represents a lysate of human ADAMTS-14 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

ADAMTS-14 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ADAMTS-14 antibodies.

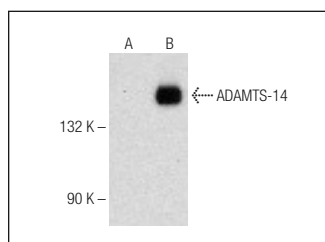
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ADAMTS-14 (G-8): sc-373773 is recommended as a positive control antibody for Western Blot analysis of enhanced human ADAMTS-14 expression in ADAMTS-14 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



ADAMTS-14 (G-8): sc-373773. Western blot analysis of ADAMTS-14 expression in non-transfected: sc-117752 (A) and human ADAMTS-14 transfected: sc-127939 (B) 293T whole cell lysates.

RESEARCH USE

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