

KLF15 (h): 293T Lysate: sc-115194

BACKGROUND

KLF6 (also designated Zf9 or CPBP, for core promoter-binding protein), KLF3, and KLF15 are Krüppel-like zinc finger containing transcription factors. KLF6 is rapidly induced during hepatic stellate cell activation and transactivates a reporter gene driven by the collagen I promoter, suggesting that KLF6 plays a role in the response to tissue injury. KLF3 may play a role in hematopoiesis. KLF15, a kidney-enriched Krüppel-like factor, is a transcriptional activator that binds the CLCNKA promoter. KLF15, which is a nuclear protein, is expressed primarily in liver, heart, skeletal muscle and kidney tissues but is not detected in lymphoid tissues or bone marrow. KLF15 is an important regulator of GLUT4 in both adipose and muscle tissues.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: KLF15 (human) mapping to 3q21.3.

PRODUCT

KLF15 (h): 293T Lysate represents a lysate of human KLF15 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

KLF15 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive KLF15 antibodies. Recommended use: 10-20 µl per lane.

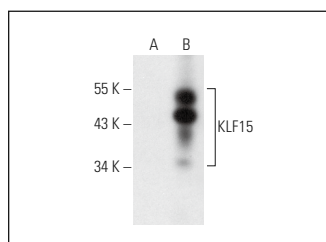
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

KLF15 (A-5): sc-271675 is recommended as a positive control antibody for Western Blot analysis of enhanced human KLF15 expression in KLF15 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

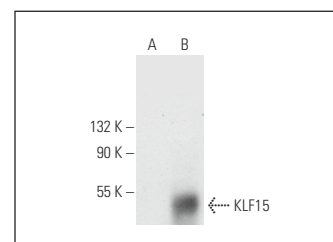
RECOMMENDED SUPPORT REAGENTS

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



KLF15 (A-5): sc-271675. Western blot analysis of KLF15 expression in non-transfected: sc-117752 (A) and human KLF15 transfected: sc-115194 (B) 293T whole cell lysates.



KLF15 (A-12): sc-393627. Western blot analysis of KLF15 expression in non-transfected: sc-117752 (A) and human KLF15 transfected: sc-115194 (B) 293T whole cell lysates.

RESEARCH USE

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