

KLF17 (h): 293T Lysate: sc-116004

BACKGROUND

Krüppel-like factors (KLFs) comprise a family of evolutionarily conserved zinc finger-containing transcription factors with diverse regulatory functions in cell growth, proliferation, differentiation and embryogenesis. Individual members of the Sp1-like/KLF family can function either as activators or repressors, depending on which promoter they bind and which coregulators they interact with. KLF17 (Krüppel-like factor 17), whose alternative names include ZNF393 (zinc finger protein 393) or zfp393, is a 389 amino acid nuclear protein belonging to the Sp1 C₂H₂-type zinc-finger protein family. Expressed in testis and ovary, KLF17 may function as a germ cell-specific transcription factor involved in oocyte development and spermatid differentiation. Containing three C₂H₂-type zinc fingers which bind G/C-rich sites, KLF17 activates transcription from CACCC-box elements.

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CHROMOSOMAL LOCATION

Genetic locus: KLF17 (human) mapping to 1p34.1.

PRODUCT

KLF17 (h): 293T Lysate represents a lysate of human KLF17 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

KLF17 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive KLF17 antibodies. Recommended use: 10-20 µl per lane.

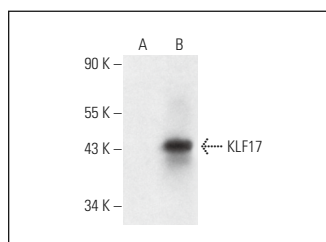
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

KLF17 (B-6): sc-398132 is recommended as a positive control antibody for Western Blot analysis of enhanced human KLF17 expression in KLF17 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



KLF17 (B-6): sc-398132. Western blot analysis of KLF17 expression in non-transfected: sc-117752 (A) and human KLF17 transfected: sc-116004 (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.

PROTOCOLS

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