SANTA CRUZ BIOTECHNOLOGY, INC.

GKLF (m): 293T Lysate: sc-125385

BACKGROUND

The Krüppel-type zinc-finger transcription factors comprise a conserved family of DNA binding proteins that are important in developmental regulation. The Krüppel zinc-finger transcription factor was initially identified in *Drosophila* as a segmentation gene. Krüppel-like factors that have been characterized in mammals include EKLF, LKLF and GKLF. EKLF is expressed principally in erythroid tissues, and LKLF expression is limited to the lung. GKLF is found predominantly in gut and has been shown to be expressed during growth arrest.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Klf4 (mouse) mapping to 4 B3.

PRODUCT

GKLF (m): 293T Lysate represents a lysate of mouse GKLF 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.

APPLICATIONS

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

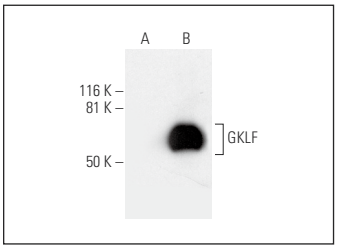
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

GKLF (B-8): sc-393462 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse GKLF expression in GKLF 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



GKLF (B-8): sc-393462. Western blot analysis of GKLF expression in non-transfected: sc-117752 (**A**) and mouse GKLF transfected: sc-125385 (**B**) 293T whole cell lysates.

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.