

ZBED1 (h): 293T Lysate: sc-111867

BACKGROUND

ZBED1 (zinc finger BED domain-containing protein 1), also known as ALTE (Ac-like transposable element), DREF or TRAMP, is a 694 amino acid protein that localizes specifically to granular structures within the nucleus. Expressed ubiquitously at low levels and present at higher levels in heart, placenta, spleen and skeletal muscle, ZBED1 is thought to function as a transcription factor that regulates a number of ribosomal protein (RP) encoding genes, thereby playing a role in the cell cycle and in cell proliferation events. ZBED1 contains one BED-type zinc finger and binds specifically to 5'-TGTCG[CT]GA[CT]A-3' DNA regions found in RP promoters. Additionally, ZBED1 binds strongly to the promoter region of Histone H1 (a protein required for the condensation of nucleosomes into higher order structures), subsequently activating H1 transcription.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: ZBED1 (human) mapping to Xp22.33/Yp11.31.

PRODUCT

ZBED1 (h): 293T Lysate represents a lysate of human ZBED1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

ZBED1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ZBED1 antibodies. Recommended use: 10-20 µl per lane.

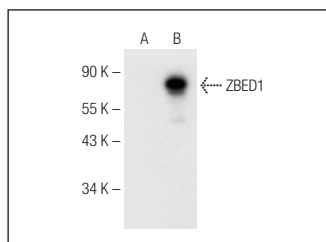
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ZBED1 (G-6): sc-373682 is recommended as a positive control antibody for Western Blot analysis of enhanced human ZBED1 expression in ZBED1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

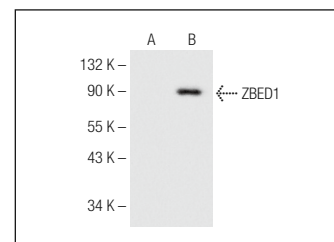
RECOMMENDED SUPPORT REAGENTS

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



ZBED1 (G-6): sc-373682. Western blot analysis of ZBED1 expression in non-transfected: sc-117752 (A) and human ZBED1 transfected: sc-111867 (B) 293T whole cell lysates.



ZBED1 (H-2): sc-374061. Western blot analysis of ZBED1 expression in non-transfected: sc-117752 (A) and human ZBED1 transfected: sc-111867 (B) 293T whole cell lysates.

RESEARCH USE

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