

Edc3 (h): 293 Lysate: sc-111192

BACKGROUND

The major eukaryotic mRNA decay pathway occurs through deadenylation, decapping and 5' to 3' degradation of the mRNA. Decapping is a critical control point in this decay pathway. During the process of mRNA degradation, Edc3 has been found to play a role in mRNA decapping. As part of the mRNA degradation process, Edc3 becomes part of a complex that also contains hDcp1a, hDcp2a, RCK and Edc4/HEDLS. Within this complex, Edc3 directly interacts with DCP1A and DDX6. Edc3, enhancer of mRNA-decapping protein 3, is a 508 amino acid protein that maps to human gene EDC3. Edc3 is a member of the EDC3 family and contains one YjeF N-terminal domain. Edc3 is localized to the cytoplasm and is found primarily in the processing bodies (PBs) of the cell. Evidence indicates Edc3 also interacts with TTP (zinc finger protein 36), a candidate gene for obesity-related metabolic complications.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: EDC3 (human) mapping to 15q24.1.

PRODUCT

Edc3 (h): 293 Lysate represents a lysate of human Edc3 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Edc3 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive Edc3 antibodies. Recommended use: 10-20 µl per lane.

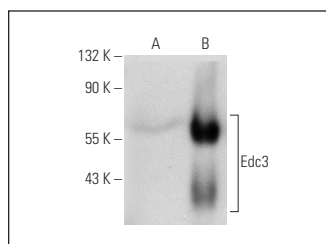
Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

Edc3 (F-9): sc-271806 is recommended as a positive control antibody for Western Blot analysis of enhanced human Edc3 expression in Edc3 transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

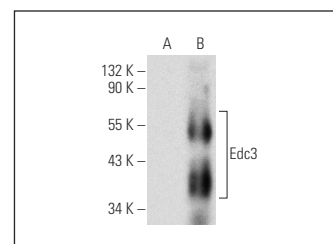
RECOMMENDED SUPPORT REAGENTS

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



Edc3 (F-9): sc-271806. Western blot analysis of Edc3 expression in non-transfected: sc-110760 (A) and human Edc3 transfected: sc-111192 (B) 293 whole cell lysates.



Edc3 (B-9): sc-271732. Western blot analysis of Edc3 expression in non-transfected: sc-110760 (A) and human Edc3 transfected: sc-111192 (B) 293 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.

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.