SANTA CRUZ BIOTECHNOLOGY, INC.

TIS11D (h2): 293T Lysate: sc-174242

BACKGROUND

TIS11D, also known as ZFP36LA (zinc finger protein 36, C3H type-like 2), BRF2 (butyrate response factor 2), ERF2 or RNF162C, is a 494 amino acid protein that localizes to the nucleus and contains two CSH1-type zinc fingers. Belonging to the TIS11 family of early response proteins, TIS11D is thought to function as a nuclear transcription factor that binds to 5'UUAUUUAUUU-3' core RNA sequences and may regulate growth factor-induced cellular responses. The gene encoding TIS11D maps to human chromosome 2p21, which houses over 1,400 genes and comprises nearly 8% of the human genome. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene, while the lipid metabolic disorder sitosterolemia is associated with defects in the ABCG5 and ABCG8 genes. Additionally, an extremely rare recessive genetic disorder, Alström syndrome, is caused by mutations in the ALMS1 gene, which maps to chromosome 2.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZFP36L2 (human) mapping to 2p21.

PRODUCT

TIS11D (h2): 293T Lysate represents a lysate of human TIS11D 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

TIS11D (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive TIS11D antibodies. Recommended use: 10-20 µl per lane.

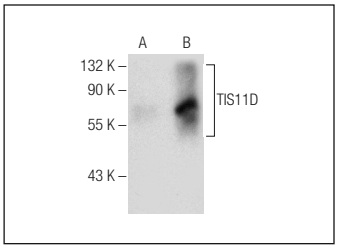
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

TIS11D (A-3): sc-365908 is recommended as a positive control antibody for Western Blot analysis of enhanced human TIS11D expression in TIS11D 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



TIS11D (A-3): sc-365908. Western blot analysis of TIS11D expression in non-transfected: sc-117752 (**A**) and human TIS11D transfected: sc-174242 (**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.