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C10orf47 (h2): 293T Lysate: sc-116056

BACKGROUND

C10orf47 (chromosome 10 open reading frame 47) is a 435 amino acid protein that exists as 2 alternatively spliced isoforms that are encoded by a gene located on human chromosome 10. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie-Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PROSER2 (human) mapping to 10p14.

PRODUCT

C10orf47 (h2): 293T Lysate represents a lysate of human C10orf47 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.

PROTOCOLS

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

APPLICATIONS

C10orf47 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive C10orf47 antibodies. Recommended use: 10-20 µl per lane.

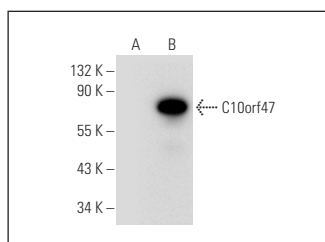
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

C10orf47 (G-11): sc-514063 is recommended as a positive control antibody for Western Blot analysis of enhanced human C10orf47 expression in C10orf47 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



C10orf47 (G-11): sc-514063. Western blot analysis of C10orf47 expression in non-transfected: sc-117752 (A) and human C10orf47 transfected: sc-116056 (B) 293T whole cell lysates.

RESEARCH USE

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