SANTA CRUZ BIOTECHNOLOGY, INC.

ACAD-11 (m): 293T Lysate: sc-118181

BACKGROUND

The Acyl-CoA dehydrogenase (ACAD) family of enzymes are involved in the catabolism of fatty acids and amino acids and they provide a major source of energy for the heart and skeletal muscle. ACAD-11 (acyl-Coenzyme A dehydrogenase family member 11) is a 780 amino acid member of the ACAD family that is expressed as 3 alternatively spliced isoforms and is encoded by a gene that maps to chromosome 3. Chromosome 3 is made up of about 214 million bases encoding over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. Key tumor suppressing genes on chromosome 3 include those that encode the apoptosis mediator RASSF1, the cell migration regulator HYAL1 and the angiogenesis suppressor SEMA3B. Marfan syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Acad11 (mouse) mapping to 9 F1.

PRODUCT

ACAD-11 (m): 293T Lysate represents a lysate of mouse ACAD-11 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

ACAD-11 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive ACAD-11 antibodies. Recommended use: 10-20 µl per lane.

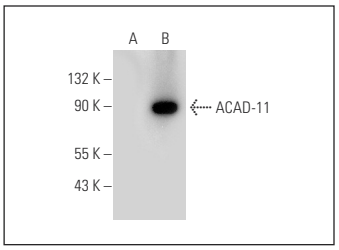
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ACAD-11 (B-12): sc-514027 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse ACAD-11 expression in ACAD-11 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

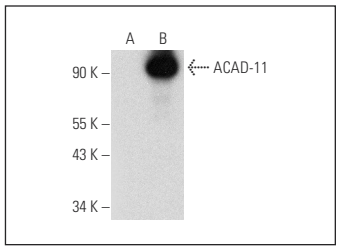
RECOMMENDED SUPPORT REAGENTS

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



ACAD-11 (B-12): sc-514027. Western blot analysis of ACAD-11 expression in non-transfected: sc-117752 (**A**) and mouse ACAD-11 transfected: sc-118181 (**B**) 293T whole cell lysates.



ACAD-11 (C-7): sc-514357. Western blot analysis of ACAD-11 expression in non-transfected: sc-117752 (**A**) and mouse ACAD-11 transfected: sc-118181 (**B**) 293T 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.