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FAHD2A (m): 293T Lysate: sc-126823

BACKGROUND

FAHD2A (fumarylacetoacetate hydrolase domain containing 2A), also known as CGI-105, is a 314 amino acid protein that likely possesses hydrolase activity and belongs to the FAH family. Calcium and magnesium are presumed to be cofactors for FAHD2A. FAHD2A is encoded by a gene located on human chromosome 2, which consists of 237 million bases, encodes over 1,400 genes and makes up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alström syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Fahd2a (mouse) mapping to 2 F1.

PRODUCT

FAHD2A (m): 293T Lysate represents a lysate of mouse FAHD2A 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

FAHD2A (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive FAHD2A antibodies. Recommended use: 10-20 µl per lane.

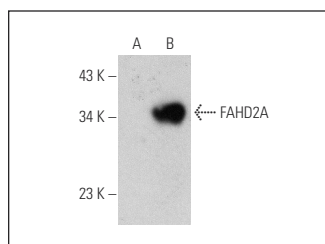
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

FAHD2A (H-11): sc-515367 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse FAHD2A expression in FAHD2A 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



FAHD2A (H-11): sc-515367. Western blot analysis of FAHD2A expression in non-transfected: sc-117752 (A) and mouse FAHD2A transfected: sc-126823 (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.