SANTA CRUZ BIOTECHNOLOGY, INC.

FSD2 (m): 293T Lysate: sc-178642

BACKGROUND

FSD2 (Fibronectin type III and SPRY domain-containing protein 2), also known as SPRYD1 (SPRY domain-containing protein 1), is a 749 amino acid protein containing one B30.2/SPRY domain and two Fibronectin type-III domains. The gene encoding FSD2 maps to human chromosome 15q25.2. Encoding more than 700 genes, chromosome 15 is made up of approximately 106 million base pairs and consists of about 3% of the human genome. Angelman and Prader-Willi syndromes are associated with loss of function or deletion of genes in the 15q11-q13 region. In the case of Angelman syndrome, this loss is due to inactivity of the maternal 15q11-q13 encoded UBE3A gene in the brain by either chromosomal deletion or mutation. Prader-Willi syndrome, Tay-Sachs disease and Marfan syndrome are also associated with chromosome 15.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Fsd2 (mouse) mapping to 7 D3.

PRODUCT

FSD2 (m): 293T Lysate represents a lysate of mouse FSD2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

FSD2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive FSD2 antibodies. Recommended use: 10-20 µl per lane.

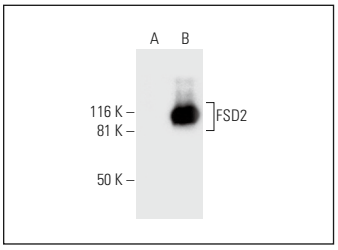
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

FSD2 (H-11): sc-393072 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse FSD2 expression in FSD2 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

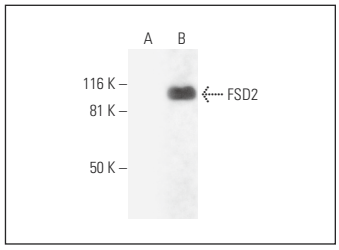
RECOMMENDED SUPPORT REAGENTS

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



FSD2 (H-11): sc-393072. Western blot analysis of FSD2 expression in non-transfected: sc-117752 (**A**) and mouse FSD2 transfected: sc-178642 (**B**) 293T whole cell lysates.



FSD2 (C-5): sc-390907. Western blot analysis of FSD2 expression in non-transfected: sc-117752 (**A**) and mouse FSD2 transfected: sc-178642 (**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.

PROTOCOLS

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