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Cdc5L (m2): 293T Lysate: sc-119136

BACKGROUND

Cdc5L (cell division cycle 5-like protein, *Pombe* Cdc5-related protein) is a DNA-binding protein encoded by the human gene CDC5L. Cdc5L contains two HTH Myb-type DNA-binding domains and may shuttle between cytoplasm and nucleus. It is involved in cell cycle control and may act as a transcription activator. Cdc5L is a spliceosomal protein that is highly conserved across species. It belongs to the group of proteins that comprise the core of spliceosomal complexes and are essential for pre-mRNA splicing. Cdc5L is involved in the second catalytic step of pre-mRNA splicing, which involves cleavage at the 3' splice site and the ligation of the exons. This process releases the intact intron lariat. A chromosomal aberration involving Cdc5L is found in multicystic renal dysplasia. This aberration is caused by a translocation (t 6;19;p21;q13.1) with USF-2.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Cdc5l (mouse) mapping to 17 B3.

PRODUCT

Cdc5L (m2): 293T Lysate represents a lysate of mouse Cdc5L 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.

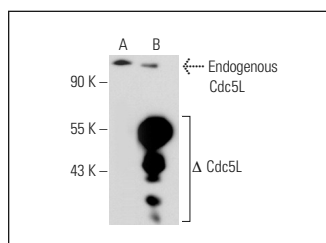
APPLICATIONS

Cdc5L (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Cdc5L antibodies. Recommended use: 10-20 µl per lane.

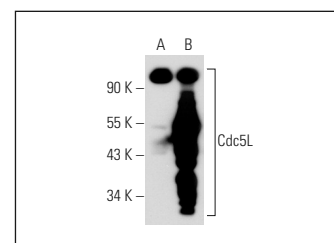
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Cdc5L (2136C1a): sc-81220 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse Cdc5L expression in Cdc5L transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



Cdc5L (2136C1a): sc-81220. Western blot analysis of Cdc5L expression in non-transfected: sc-117752 (A) and truncated mouse Cdc5L transfected: sc-119136 (B) 293T whole cell lysates.



Cdc5L (21): sc-135863. Western blot analysis of Cdc5L expression in non-transfected: sc-117752 (A) and mouse Cdc5L transfected: sc-119136 (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.