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# Cdc5L (h2): 293T Lysate: sc-173633

## 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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- Leonard, D., Ajuh, P., Lamond, A.I. and Legerski, R.J. 2003. hLodestar/HuF2 interacts with Cdc5L and is involved in pre-mRNA splicing. Biochem. Biophys. Res. Commun. 308: 793-801.

## CHROMOSOMAL LOCATION

Genetic locus: CDC5L (human) mapping to 6p21.1.

## PRODUCT

Cdc5L (h2): 293T Lysate represents a lysate of human 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.

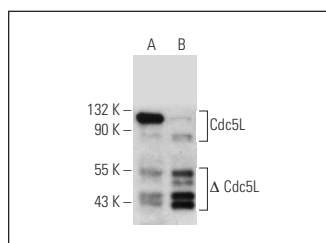
## APPLICATIONS

Cdc5L (h2): 293T Lysate is suitable as a Western Blotting positive control for human 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 human 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 human truncated Cdc5L transfected: sc-173633 (B) 293T whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

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