

MAD2L1BP (m): 293T Lysate: sc-121482

BACKGROUND

MAD2L1BP (MAD2L1 binding protein), also known as CMT2, is a 274 amino acid protein that localizes to the nucleoplasm during early mitosis and to the spindle from metaphase through anaphase. Functioning as a component of the spindle checkpoint (which delays the onset of anaphase until kinetochore attachment is complete), MAD2L1BP is thought to coordinate cell cycle events in late mitosis, possibly binding to MAD2, thereby silencing the spindle checkpoint and allowing mitosis to proceed. MAD2L1BP is expressed as multiple alternatively spliced isoforms that, upon DNA damage, may be phosphorylated by Atm or ATR. The gene encoding MAD2L1BP maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Mad2l1bp (mouse) mapping to 17 C.

PRODUCT

MAD2L1BP (m): 293T Lysate represents a lysate of mouse MAD2L1BP 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

MAD2L1BP (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive MAD2L1BP antibodies. Recommended use: 10-20 µl per lane.

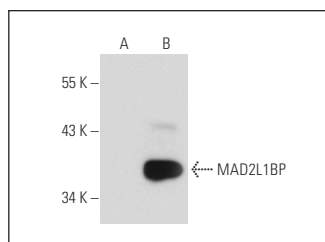
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

MAD2L1BP (4-RE23): sc-134381 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse MAD2L1BP expression in MAD2L1BP 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



MAD2L1BP (4-RE23): sc-134381. Western blot analysis of MAD2L1BP expression in non-transfected: sc-117752 (A) and mouse MAD2L1BP transfected: sc-121482 (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.