

Reptin 52 (h3): 293T Lysate: sc-175104

BACKGROUND

Pontin 52 is a nuclear matrix protein that is primarily expressed in the nucleus and is also present in the cytoplasm. It is expressed in the nucleoplasm of whole cells, but is not present in the nucleoli. Pontin 52, also designated RUVBL1 for *E. coli* RuvB-like 1 protein or NMP 238, is the human homolog of rat TIP49. Pontin 52 contains an ATPase/helicase motif and may represent a class of cofactors recruited by transcriptional activation domains that function in diverse pathways. For instance, *in vivo*, Pontin 52 is complexed with Myc and Reptin 52, which is a Pontin 52-related protein, also designated RUVBL2. The interaction of Pontin 52 with Myc is dependent upon a Myc domain essential for oncogenic activity, suggesting that functional Pontin 52 is an essential mediator of Myc oncogenic transformation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RUVBL2 (human) mapping to 19q13.33.

PRODUCT

Reptin 52 (h3): 293T Lysate represents a lysate of human Reptin 52 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

Reptin 52 (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive Reptin 52 antibodies. Recommended use: 10-20 μ l per lane.

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

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.

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.