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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Rpp25 (h): 293T Lysate: sc-371368

## BACKGROUND

Ribonuclease P (RNase P) and ribonuclease MRP (RNase MRP) are small nuclear ribonucleoproteins (snRNPs) that act on RNA substrates *in vitro*. RNase P and RNase MRP, which accumulate in the nucleolus, have a similar RNA component and also have several protein subunits in common. RNase P, which consists of a complex of an RNA species, POP1, POP5, and at least 7 Rpps, removes the 5' leader sequences from precursor tRNA molecules. RPP25 (ribonuclease P/MRP 25 kDa subunit) is a 199 amino acid nuclear protein that belongs to the histone-like Alba family and functions as a component of nuclear RNase P and RNase MRP ribonucleoproteins. Rpp25 is encoded by a gene that maps to human chromosome 15q24.2 and mouse chromosome 9 B.

## REFERENCES

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- Welting, T.J., van Venrooij, W.J. and Pruijn, G.J. 2004. Mutual interactions between subunits of the human RNase MRP ribonucleoprotein complex. *Nucleic Acids Res.* 32: 2138-2146.
- Roberts, J.D., Chiche, J.D., Kolpa, E.M., Bloch, D.B. and Bloch, K.D. 2007. cGMP-dependent protein kinase I interacts with TRIM39R, a novel Rpp21 domain-containing TRIM protein. *Am. J. Physiol. Lung Cell. Mol. Physiol.* 293: L903-L912.

## CHROMOSOMAL LOCATION

Genetic locus: RPP25 (human) mapping to 15q24.2.

## PRODUCT

Rpp25 (h): 293T Lysate represents a lysate of human Rpp25 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.

## RESEARCH USE

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

## APPLICATIONS

Rpp25 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Rpp25 antibodies. Recommended use: 10-20 µl per lane.

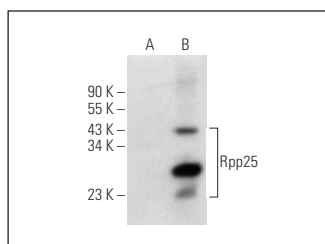
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Rpp25 (A-3): sc-514323 is recommended as a positive control antibody for Western Blot analysis of enhanced human Rpp25 expression in Rpp25 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



Rpp25 (A-3): sc-514323. Western blot analysis of Rpp25 expression in non-transfected: sc-117752 (A) and human Rpp25 transfected: sc-371368 (B) 293T whole cell lysates.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.