

# Ribosomal Protein L32 (Y-22): sc-133977

## BACKGROUND

Ribosomes, the organelles that catalyze protein synthesis, are composed of a small subunit (40S) and a large subunit (60S) that consist of over 80 distinct ribosomal proteins. Mammalian ribosomal proteins are encoded by multigene families that contain processed pseudogenes and one functional intron-containing gene within their coding regions. Ribosomal Protein L32, also known as RPL32 or PP9932, is a 132 amino acid protein that localizes to the cytoplasm and functions as a component of the 60S subunit, playing a role in protein translation. RPL32 belongs to the ribosomal protein L32E family of ribosomal proteins and is regulated by GABP. Like most ribosomal proteins, Ribosomal Protein L32 exists as multiple processed pseudogenes that are scattered throughout the genome.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RPL32 (human) mapping to 3p25.1; Rpl32 (mouse) mapping to 6 E3.

## SOURCE

Ribosomal Protein L32 (Y-22) is a Protein A purified rabbit polyclonal antibody raised against synthetic Ribosomal Protein L32 peptide of human origin.

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

## APPLICATIONS

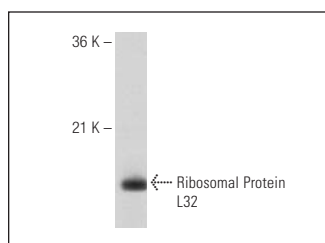
Ribosomal Protein L32 (Y-22) is recommended for detection of Ribosomal Protein L32 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Ribosomal Protein L32 siRNA (h): sc-78378, Ribosomal Protein L32 siRNA (m): sc-152912, Ribosomal Protein L32 shRNA Plasmid (h): sc-78378-SH, Ribosomal Protein L32 shRNA Plasmid (m): sc-152912-SH, Ribosomal Protein L32 shRNA (h) Lentiviral Particles: sc-78378-V and Ribosomal Protein L32 shRNA (m) Lentiviral Particles: sc-152912-V.

Molecular Weight of Ribosomal Protein L32: 16 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

## DATA



Ribosomal Protein L32 (Y-22): sc-133977. Western blot analysis of RPL32 expression in Hep G2 whole cell lysate.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. 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](http://www.scbt.com) or our catalog for detailed protocols and support products.