

Ribosomal Protein S29 (V-22): sc-133962

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 S29, also known as RPS29, is a 56 amino acid ribosomal protein that exists as a component of the 40S subunit and contains one C₂-C₂ zinc finger-like domain. Localized to the cytoplasm, Ribosomal Protein S29 binds zinc as a cofactor and is thought to enhance the tumor suppressor activity of Rap 1A, possibly playing an indirect role in tumor suppression. Like most ribosomal proteins, Ribosomal Protein S29 exists as multiple processed pseudogenes that are scattered throughout the genome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RPS29 (human) mapping to 14q22.1; Rps29 (mouse) mapping to 12 C2.

SOURCE

Ribosomal Protein S29 (V-22) is a Protein A purified rabbit polyclonal antibody raised against synthetic Ribosomal Protein S29 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.

RESEARCH USE

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

APPLICATIONS

Ribosomal Protein S29 (V-22) is recommended for detection of Ribosomal Protein S29 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 S29 siRNA (h): sc-92092, Ribosomal Protein S29 siRNA (m): sc-152949, Ribosomal Protein S29 shRNA Plasmid (h): sc-92092-SH, Ribosomal Protein S29 shRNA Plasmid (m): sc-152949-SH, Ribosomal Protein S29 shRNA (h) Lentiviral Particles: sc-92092-V and Ribosomal Protein S29 shRNA (m) Lentiviral Particles: sc-152949-V.

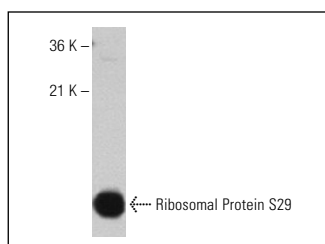
Molecular Weight of Ribosomal Protein S29: 7 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



Ribosomal Protein S29 (V-22): sc-133962. Western blot analysis of Ribosomal Protein S29 expression in Jurkat 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.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

MONOS
Satisfaction
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Try **Ribosomal Protein S29 (3G9): sc-517071**, our highly recommended monoclonal alternative to Ribosomal Protein S29 (V-22).