

Ribosomal Protein L22 (I-14): sc-27515

BACKGROUND

Ribosomal Protein L22 is also known as heparin-binding protein HBp15, because it binds heparin in the submandibular gland and brain. This small protein is also associated with two small nuclear RNAs called EBERs (Epstein-Barr encoded RNAs). These RNAs are synthesized in large amounts by human B lymphocytes infected with Epstein-Barr virus (EBV). Ribosomal protein L22, like L4, contains a globular domain that sits on the surface of the large ribosomal subunit and an extended loop that penetrates its core. These extensions contact multiple domains of 23S rRNA, indicating a potential, but not essential, role in rRNA folding during ribosomal assembly.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RPL22 (human) mapping to 1p36.31; Rpl22 (mouse) mapping to 4 E2.

SOURCE

Ribosomal Protein L22 (I-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Ribosomal Protein L22 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-27515 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Ribosomal Protein L22 (I-14) is recommended for detection of Ribosomal Protein L22 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Ribosomal Protein L22 (I-14) is also recommended for detection of Ribosomal Protein L22 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Ribosomal Protein L22 siRNA (h): sc-63349, Ribosomal Protein L22 siRNA (m): sc-63350, Ribosomal Protein L22 shRNA Plasmid (h): sc-63349-SH, Ribosomal Protein L22 shRNA Plasmid (m): sc-63350-SH, Ribosomal Protein L22 shRNA (h) Lentiviral Particles: sc-63349-V and Ribosomal Protein L22 shRNA (m) Lentiviral Particles: sc-63350-V.

Molecular Weight of Ribosomal Protein L22: 15 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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.



Try **Ribosomal Protein L22 (D-7): sc-373993** or **Ribosomal Protein L22 (52): sc-136413**, our highly recommended monoclonal alternatives to Ribosomal Protein L22 (I-14).