

Ribosomal Protein L30 (G-12): sc-98106

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 L30, also known as RPL30, is a 115 amino acid protein that localizes to the cytoplasm and exists as a component of the 60S subunit, possibly playing a role in protein translation. Like most ribosomal proteins, Ribosomal Protein L30 exists as multiple processed pseudogenes that are scattered throughout the genome. The gene encoding Ribosomal Protein L30 maps to human chromosome 8, which consists of nearly 146 million base pairs, houses more than 800 genes and is associated with a variety of diseases and malignancies.

CHROMOSOMAL LOCATION

Genetic locus: RPL30 (human) mapping to 8q22.2; Rpl30 (mouse) mapping to 15 B3.1.

SOURCE

Ribosomal Protein L30 (G-12) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within an internal region of Ribosomal Protein L30 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-98106 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

Ribosomal Protein L30 (G-12) is recommended for detection of Ribosomal Protein L30 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)], 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); non cross-reactive with other Ribosomal Protein family members.

Suitable for use as control antibody for Ribosomal Protein L30 siRNA (h): sc-77598, Ribosomal Protein L30 siRNA (m): sc-152910, Ribosomal Protein L30 shRNA Plasmid (h): sc-77598-SH, Ribosomal Protein L30 shRNA Plasmid (m): sc-152910-SH, Ribosomal Protein L30 shRNA (h) Lentiviral Particles: sc-77598-V and Ribosomal Protein L30 shRNA (m) Lentiviral Particles: sc-152910-V.

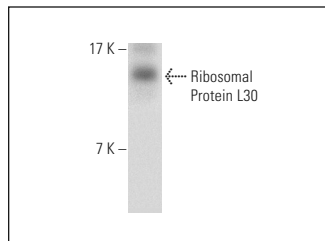
Molecular Weight of Ribosomal Protein L30: 13 kDa.

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

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). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



Ribosomal Protein L30 (G-12): sc-98106. Western blot analysis of Ribosomal Protein L30 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.

PROTOCOLS

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


 MONOS
Satisfaction
Guaranteed

Try **Ribosomal Protein L30 (4E6): sc-517163**, our highly recommended monoclonal alternative to Ribosomal Protein L30 (G-12).