

Ribosomal Protein L11 (N-17): sc-25931

BACKGROUND

The genes encoding for mammalian Ribosomal Proteins comprise multigene families that consist predominantly of multiple processed pseudogenes and one functional intro-containing gene within their coding regions. The rpS6 gene gives rise to Ribosomal Protein S6 (also designated RPS6) and Ribosomal Protein L28. Sequence comparison has identified RPS6 as the equivalent of the Ribosomal Protein S10 from *Saccharomyces cerevisiae*. The sequence comparison of Ribosomal Proteins from evolutionarily distant eukaryotes, such as yeast and human, indicates that the structure and the function are highly conserved. The gene encoding human Ribosomal Protein L11 maps to chromosome 1p36.11.

CHROMOSOMAL LOCATION

Genetic locus: RPL11 (human) mapping to 1p36.11; Rpl11 (mouse) mapping to 4 D3.

SOURCE

Ribosomal Protein L11 (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of Ribosomal Protein L11 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-25931 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Ribosomal Protein L11 (N-17) is recommended for detection of Ribosomal Protein L11 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), immunohistochemistry (including paraffin-embedded sections) (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 L11 (N-17) is also recommended for detection of Ribosomal Protein L11 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Ribosomal Protein L11 siRNA (h): sc-60076, Ribosomal Protein L11 siRNA (m): sc-152893, Ribosomal Protein L11 shRNA Plasmid (h): sc-60076-SH, Ribosomal Protein L11 shRNA Plasmid (m): sc-152893-SH, Ribosomal Protein L11 shRNA (h) Lentiviral Particles: sc-60076-V and Ribosomal Protein L11 shRNA (m) Lentiviral Particles: sc-152893-V.

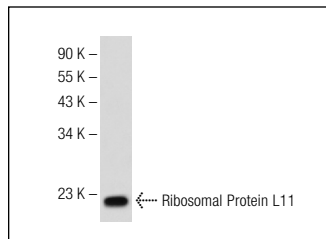
Molecular Weight of Ribosomal Protein L11: 20 kDa.

Positive Controls: mouse pancreas extract: sc-364244.

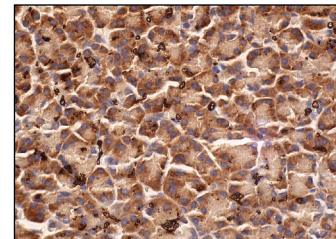
STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

DATA



Ribosomal Protein L11 (N-17): sc-25931. Western blot analysis of Ribosomal Protein L11 expression in mouse pancreas tissue extract.



Ribosomal Protein L11 (N-17): sc-25931. Immunoperoxidase staining of formalin fixed, paraffin-embedded human pancreas tissue showing cytoplasmic staining of glandular cells.

SELECT PRODUCT CITATIONS

1. Kitamura, A., et al. 2006. Cytosolic chaperonin prevents polyglutamine toxicity with altering the aggregation state. *Nat. Cell Biol.* 8: 1163-1170.
2. Shin, H.S., et al. 2009. Arginine methylation of Ribosomal Protein S3 affects ribosome assembly. *Biochem. Biophys. Res. Commun.* 385: 273-278.
3. Horos, R., et al. 2012. Ribosomal deficiencies in Diamond-Blackfan anemia impair translation of transcripts essential for differentiation of murine and human erythroblasts. *Blood* 119: 262-272.
4. Morgado-Palacin, L., et al. 2012. Ribosomal stress induces L11- and p53-dependent apoptosis in mouse pluripotent stem cells. *Cell Cycle* 11: 503-510.

RESEARCH USE

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

PROTOCOLS

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



Try **Ribosomal Protein L11 (2A1): sc-293224**, our highly recommended monoclonal alternative to Ribosomal Protein L11 (N-17).