

Ribosomal Protein L11 (FL-178): sc-50363

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 *Saccharomyces cerevisiae* Ribosomal Protein S10. 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.

REFERENCES

- Gross, T., et al. 1988. Primary structure of the Ribosomal Protein gene S6 from *Schizosaccharomyces pombe*. *Curr. Genet.* 13: 57-63.
- Heinze, H., et al. 1988. The primary structure of the human Ribosomal Protein S6 derived from a cloned cDNA. *J. Biol. Chem.* 263: 4139-4144.

CHROMOSOMAL LOCATION

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

SOURCE

Ribosomal Protein L11 (FL-178) is a rabbit polyclonal antibody raised against amino acids 1-178 representing full length 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.

APPLICATIONS

Ribosomal Protein L11 (FL-178) 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 (FL-178) is also recommended for detection of Ribosomal Protein L11 in additional species, including equine, canine, bovine and porcine.

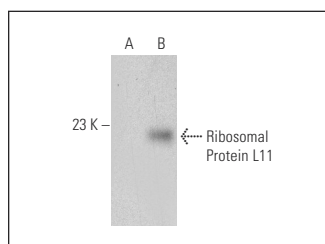
Suitable for use as control antibody for Ribosomal Protein L11 siRNA (h): sc-60076, Ribosomal Protein L11 siRNA (m): sc-152893, Ribosomal Protein L11 shRNA Plasmid (h): sc-60076-SH, Ribosomal Protein L11 shRNA Plasmid (m): sc-152893-SH, Ribosomal Protein L11 shRNA (h) Lentiviral Particles: sc-60076-V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

Molecular Weight of Ribosomal Protein L11: 20 kDa.

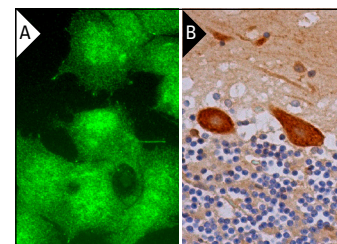
RECOMMENDED SECONDARY REAGENTS

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. 4) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



Ribosomal Protein L11 (FL-178): sc-50363. Western blot analysis of Ribosomal Protein L11 expression in non-transfected CHO (A) and Ribosomal Protein L11 transfected CHO (B) whole cell lysates.



Ribosomal Protein L11 (FL-178): sc-50363. Immunofluorescence staining of formalin-fixed HepG2 cells showing cytoplasmic and nuclear localization (A). Immunoperoxidase staining of formalin fixed, paraffin-embedded human cerebellum tissue showing cytoplasmic staining of Purkinje cells, cells in granular layer and cells in molecular layer (B).

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 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 (FL-178).