

Ribosomal Protein L11 (2A1): sc-293224

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.

REFERENCES

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CHROMOSOMAL LOCATION

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

SOURCE

Ribosomal Protein L11 (2A1) is a mouse monoclonal antibody raised against amino acids 1-177 representing full length Ribosomal Protein L11 of human origin.

PRODUCT

Each vial contains 100 µg IgG_{2b} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

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

APPLICATIONS

Ribosomal Protein L11 (2A1) 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).

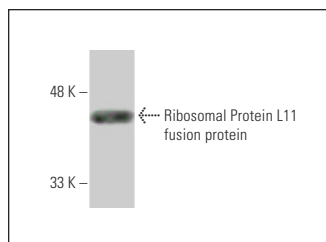
Suitable for use as control antibody for Ribosomal Protein L11 siRNA (h): sc-60076, Ribosomal Protein L11 siRNA (m): sc-152893, Ribosomal Protein L11 shRNA Plasmid (h): sc-60076-SH, Ribosomal Protein L11 shRNA Plasmid (m): sc-152893-SH, Ribosomal Protein L11 shRNA (h) Lentiviral Particles: sc-60076-V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

Molecular Weight of Ribosomal Protein L11: 20 kDa.

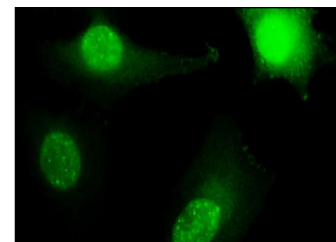
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 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 m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. 4) Immunohistochemistry: use m-IgGκ BP-HRP: sc-516102 with DAB, 50X: sc-24982 and Immunohistomount: sc-45086, or Organo/Limonene Mount: sc-45087.

DATA



Ribosomal Protein L11 (2A1): sc-293224. Western blot analysis of human recombinant Ribosomal Protein L11 fusion protein.



Ribosomal Protein L11 (2A1): sc-293224. Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear localization.

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 for detailed protocols and support products.