SANTA CRUZ BIOTECHNOLOGY, INC.

Ribosomal Protein L11 (G-17): sc-25932

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

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 (G-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region 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-25932 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 L11 (G-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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Ribosomal Protein L11 (G-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.

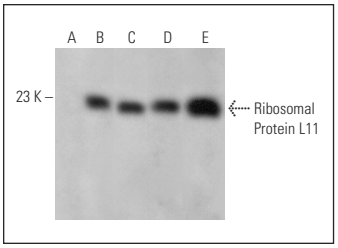
Molecular Weight of Ribosomal Protein L11: 20 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, Jurkat whole cell lysate: sc-2204 or mouse pancreas extract: sc-364244.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



Ribosomal Protein L11 (G-17): sc-25932. Western blot analysis of Ribosomal Protein L11 expression in non-transfected CHO (**A**), human Ribosomal Protein L11 transfected CHO (**B**), HeLa (**C**) and Jurkat (**D**) whole cell lysates and mouse pancreas tissue extract (**E**).

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.