

# Ribosomal Protein L28 (A-16): sc-14151

## 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. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. 60S ribosomal protein L28 is encoded by the RPL28 gene. This protein, which is a structural constituent of the ribosome, is an RNA binding protein involved in protein biosynthesis.

## CHROMOSOMAL LOCATION

Genetic locus: RPL28 (human) mapping to 19q13.42; Rpl28 (mouse) mapping to 7 A1.

## SOURCE

Ribosomal Protein L28 (A-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of Ribosomal Protein L28 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-14151 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## 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.

## APPLICATIONS

Ribosomal Protein L28 (A-16) is recommended for detection of Ribosomal Protein L28 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 L28 (A-16) is also recommended for detection of Ribosomal Protein L28 in additional species, including equine, canine and bovine.

Suitable for use as control antibody for Ribosomal Protein L28 siRNA (h): sc-44078, Ribosomal Protein L28 siRNA (m): sc-60079, Ribosomal Protein L28 shRNA Plasmid (h): sc-44078-SH, Ribosomal Protein L28 shRNA Plasmid (m): sc-60079-SH, Ribosomal Protein L28 shRNA (h) Lentiviral Particles: sc-44078-V and Ribosomal Protein L28 shRNA (m) Lentiviral Particles: sc-60079-V.

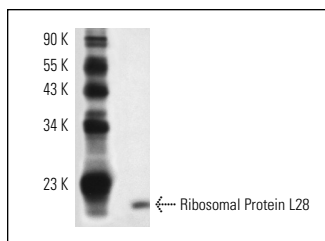
Molecular Weight of Ribosomal Protein L28: 16 kDa.

Positive Controls: NIH/3T3 whole cell lysate: sc-2210 or HeLa whole cell lysate: sc-2200.

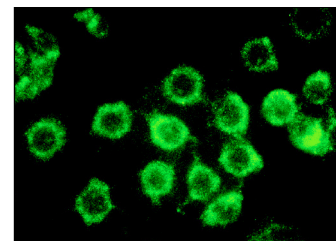
## RECOMMENDED SECONDARY REAGENTS

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 L28 (A-16): sc-14151. Western blot analysis of Ribosomal Protein L28 expression in NIH/3T3 whole cell lysate.



Ribosomal Protein L28 (A-16): sc-14151. Immunofluorescence staining of methanol-fixed NIH/3T3 cells showing cytoplasmic localization.

## SELECT PRODUCT CITATIONS

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- Fujita, K., et al. 2008. Immunohistochemical identification of messenger RNA-related proteins in basophilic inclusions of adult-onset atypical motor neuron disease. *Acta Neuropathol.* 116: 439-445.
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