

Ribosomal Protein L6 (K-15): sc-68136

BACKGROUND

Mammalian ribosomal proteins are encoded by multigene families that consist of processed pseudogenes and one functional intron-containing gene within their coding regions. Ribosomal Protein L6, also known as RPL6, TAXREB107 or TXREB1, is a 288 amino acid component of the large ribosomal 60S subunit. Localized to the cytoplasm, Ribosomal Protein L6 binds specifically to domain C of the tax-responsive element (FOXN2) of human T cell leukemia virus type 1, thereby regulating tax-mediated transcriptional activation. Ribosomal Protein L6 is upregulated in multidrug resistant (MDR) gastric cancer cells and is implicated in Noonan syndrome, a congenital genetic condition characterized by impaired blood clotting, short stature and indentation of the chest. Two isoforms exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RPL6 (human) mapping to 12q24.13; Rpl6 (mouse) mapping to 5 F.

SOURCE

Ribosomal Protein L6 (K-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Ribosomal Protein L6 of human origin.

RESEARCH USE

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

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-68136 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Ribosomal Protein L6 (K-15) is recommended for detection of Ribosomal Protein L6 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).

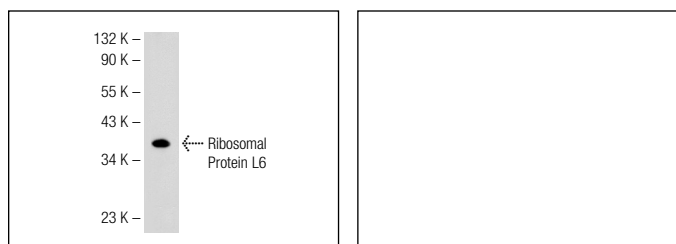
Ribosomal Protein L6 (K-15) is also recommended for detection of Ribosomal Protein L6 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Ribosomal Protein L6 siRNA (h): sc-40909, Ribosomal Protein L6 siRNA (m): sc-40910, Ribosomal Protein L6 shRNA Plasmid (h): sc-40909-SH, Ribosomal Protein L6 shRNA Plasmid (m): sc-40910-SH, Ribosomal Protein L6 shRNA (h) Lentiviral Particles: sc-40909-V and Ribosomal Protein L6 shRNA (m) Lentiviral Particles: sc-40910-V.

Molecular Weight of Ribosomal Protein L6: 33 kDa.

Positive Controls: Ribosomal Protein L6 (h) 293T whole cell lysates: sc-114895, Jurkat whole cell lysate: sc-2204 or Hep G2 cell lysate: sc-2227.

DATA



Ribosomal Protein L6 (K-15): sc-68136. Western blot analysis of Ribosomal Protein L6 expression in SW480 whole cell lysate.

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.