

## 60S Ribosomal Protein L10 Antibody

Catalog No: #33542

Package Size: #33542-1 50ul #33542-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

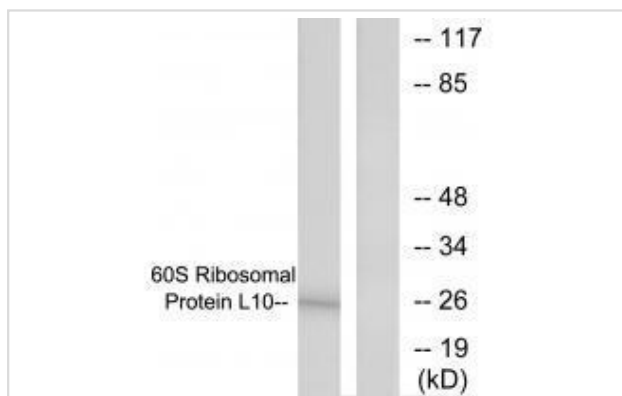
## Description

Product Name	60S Ribosomal Protein L10 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total 60S Ribosomal Protein L10 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human 60S Ribosomal Protein L10.
Target Name	60S Ribosomal Protein L10
Other Names	60S ribosomal protein L10; Protein QM; Tumor suppressor QM; Laminin receptor homolog; RPL10
Accession No.	Swiss-Prot: P27635NCBI Gene ID: 6134
Uniprot	P27635
GeneID	6134;
SDS-PAGE MW	25kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

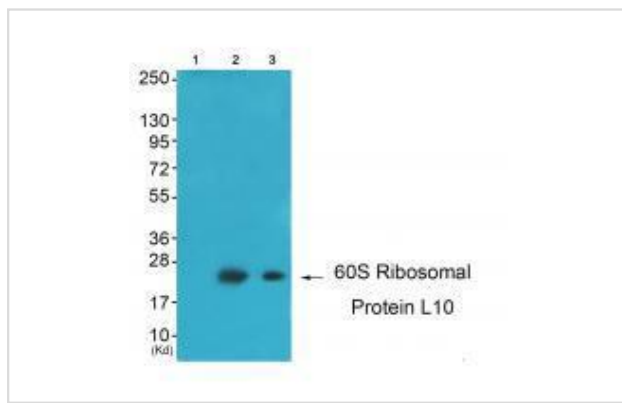
## Application Details

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from K562 cells, treated with Insulin (0.01u/ml, 15mins), using 60S Ribosomal Protein L10 antibody #33542.



Western blot analysis of extracts from K562 cells (Lane 2), JK cells (Lane 3) and 293 cells (Lane 4), using 60S Ribosomal Protein L10 antibody #33542. The lane on the left is treated with synthesized peptide.

## Background

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of four RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L10E family of ribosomal proteins. It is located in the cytoplasm. In vitro studies have shown that the chicken protein can bind to c-Jun and can repress c-Jun-mediated transcriptional activation, but these activities have not been demonstrated in vivo. This gene was initially identified as a candidate for a Wilms tumor suppressor gene, but later studies determined that this gene is not involved in the suppression of Wilms tumor. This gene has been referred to as 'laminin receptor homolog' because a chimeric transcript consisting of sequence from this gene and sequence from the laminin receptor gene was isolated; however, it is not believed that this gene encodes a laminin receptor. Alternative splicing results in multiple transcript variants. This gene also uses multiple polyA signals, with the 3'-most polyA signal overlapping the deoxyribonuclease I-like 1 gene on the opposite strand. This gene is co-transcribed with the small nucleolar RNA gene U70, which is located in its fifth intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Dowdy S.F., *Nucleic Acids Res.* 19:5763-5769(1991).

van den Ouweland A.M.W., *Hum. Mol. Genet.* 1:269-273(1992).

Kaneko K., *Hum. Mol. Genet.* 1:529-533(1992).

Note: This product is for in vitro research use only