Product Datasheet

RPL14 Antibody

Catalog No: #34347

Package Size: #34347-1 50ul #34347-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

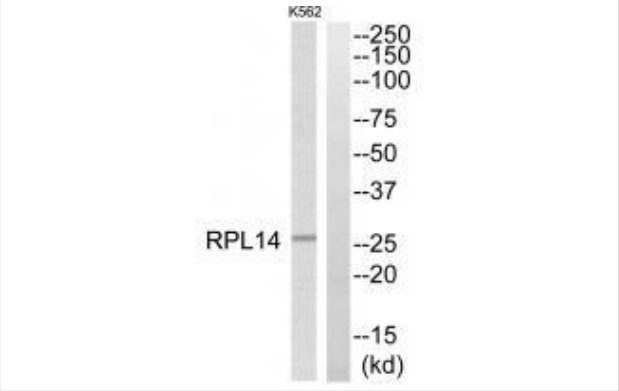
Description

Product Name	RPL14 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 RPL14 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human RPL14.
Target Name	RPL14
Other Names	CAG-ISL-7; CTG-B33; hRL14; L14; MGC88594
Accession No.	Swiss-Prot: P50914NCBI Gene ID: 9045
Uniprot	P50914
GeneID	9045;
SDS-PAGE MW	26kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), 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, using RPL14 antibody #34347.

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 4 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 L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Aoki M., Diabetes 45:157-164(1996).
Tanaka M., Biochem. Biophys. Res. Commun. 243:531-537(1998).
Yoshihama M., Genome Res. 12:379-390(2002).

Note: This product is for in vitro research use only