Anti-RPL14 antibody

Cat. No.	ml163555
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-RPL14 rabbit polyclonal antibody
Applications	ELISA, WB
Immunogen	Synthetic peptide of human RPL14
Reactivity	Human, Mouse, Rat
Content	1.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	RPL14
Full name	ribosomal protein L14
Synonyms	L14; RL14; hRL14; CTG-B33; CAG-ISL-7
Swissprot	P50914

Target 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.

Applications

Western blotting

Predicted band size:23 kDa

Positive control:293T，Hela，231，HEPG2 and A431 cell lysates

Recommended dilution: 500-2000

Gel: 12%SDS-PAGE

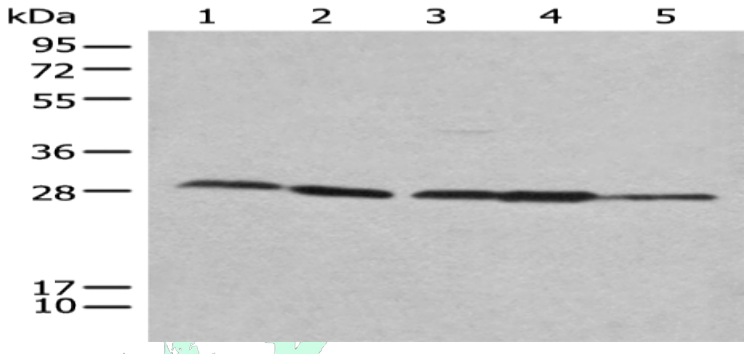
Lysate: 40 μg

Lane 1-5: 293T，Hela，231，HEPG2 and A431 cell lysates

Primary antibody: ml163555(RPL14 Antibody) at dilution 1/800

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



ELISA

Recommended dilution:5000-10000