

ARG59737 anti-RPL14 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RPL14
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RPL14
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 173-204 of Human RPL14.
Conjugation	Un-conjugated
Alternate Names	60S ribosomal protein L14; L14; RL14; CTG-B33; hRL14; CAG-ISL 7; CAG-ISL-7

Application Instructions

Application table	Application	Dilution
	FACS	1:25
	ICC/IF	1:25
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	

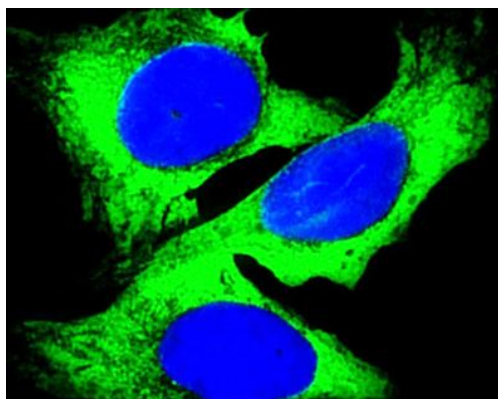
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	RPL14
Gene Full Name	ribosomal protein L14
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. [provided by RefSeq, Jul 2008]
Calculated Mw	23 kDa

Images



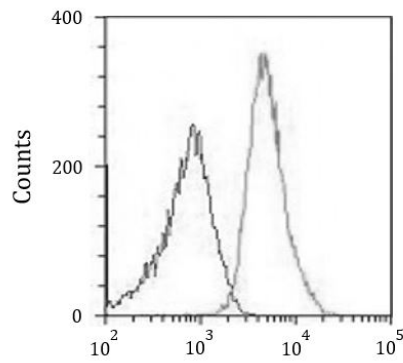
ARG59737 anti-RPL14 antibody ICC/IF image

Immunofluorescence: 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS cells stained with ARG59737 anti-RPL14 antibody (green) at 1:25 dilution. The nuclear counter stain is DAPI (blue).



ARG59737 anti-RPL14 antibody WB image

Western blot: 20 µg of MCF7 cell lysate stained with ARG59737 anti-RPL14 antibody at 1:2000 dilution.



ARG59737 anti-RPL14 antibody FACS image

Flow Cytometry: U-2OS cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. Cells were then incubated in 2% BSA to block non-specific protein-protein interactions followed by ARG59737 anti-RPL14 antibody (right histogram) at 1:25 dilution for 60 min at 37°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (left histogram) was rabbit IgG (1 μ g/ 10^6 cells) used under the same conditions. Acquisition of > 10000 events was performed.