

**RPL14 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21927c**

**Specification**

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**RPL14 Antibody (Center) - Product Information**

Application	IF, WB, FC,E
Primary Accession	<a href="#">P50914</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	23432

**RPL14 Antibody (Center) - Additional Information**

**Gene ID** 9045

**Other Names**

60S ribosomal protein L14, CAG-ISL 7, RPL14

**Target/Specificity**

This RPL14 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 117-147 amino acids from the Central region of human RPL14.

**Dilution**

IF~~1:25

WB~~1:2000

FC~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

RPL14 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**RPL14 Antibody (Center) - Protein Information**

**Name** RPL14

**Function** Component of the large ribosomal subunit (PubMed:[12962325](#), PubMed:[23636399](#), PubMed:[32669547](#)). The ribosome is a large ribonucleoprotein complex responsible for the

synthesis of proteins in the cell (PubMed:[12962325](#), PubMed:[23636399](#), PubMed:[32669547](#)).

### Cellular Location

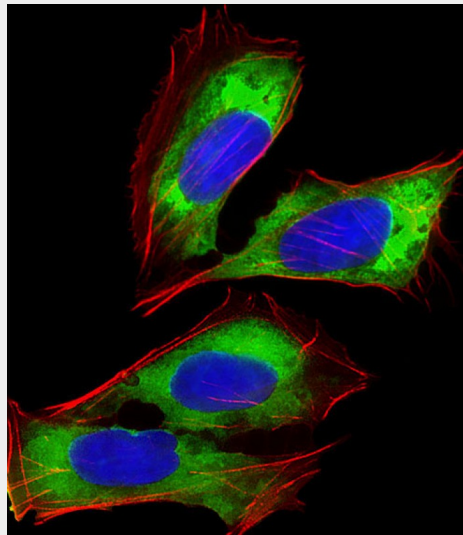
Cytoplasm.

### RPL14 Antibody (Center) - Protocols

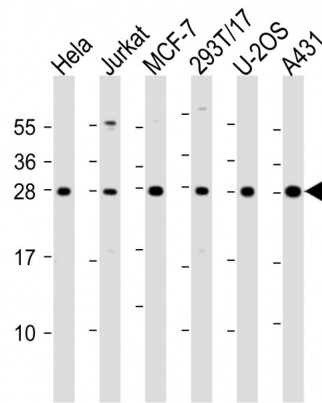
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

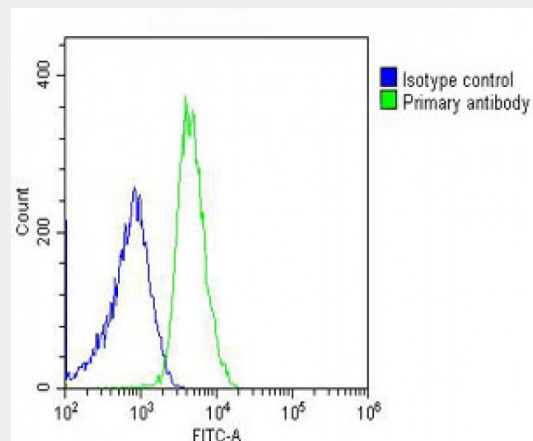
### RPL14 Antibody (Center) - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling RPL14 with AP21927c at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



All lanes : Anti-RPL14 Antibody (Center) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: MCF-7 whole cell lysate Lane 4: 293T/17 whole cell lysate Lane 5: U-2OS whole cell lysate Lane 6: A431 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing U-2OS cells stained with AP21927c (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP21927c, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1 $\mu$ g/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

### RPL14 Antibody (Center) - References

- Aoki M.,et al.Diabetes 45:157-164(1996).
- Tanaka M.,et al.Biochem. Biophys. Res. Commun. 243:531-537(1998).
- Yoshihama M.,et al.Genome Res. 12:379-390(2002).
- Lin L.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
- Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.