10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

## Specification

### RPL14 Antibody (Center) - Product Information

| | |
|---|---|
| Application | **WB, FC, IF,E** |
| Primary Accession | P50914 |
| 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**
WB~~1:2000
FC~~1:25
IF~~1:25
E~~Use at an assay dependent concentration.

**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

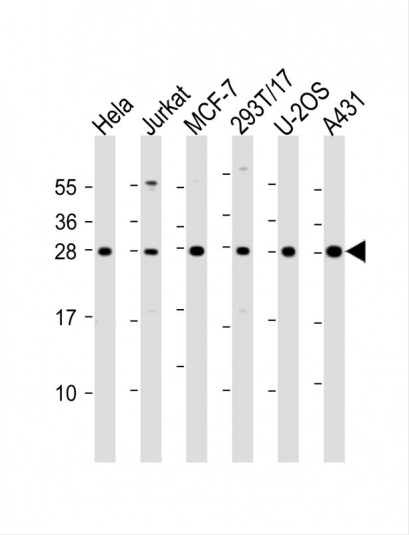
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

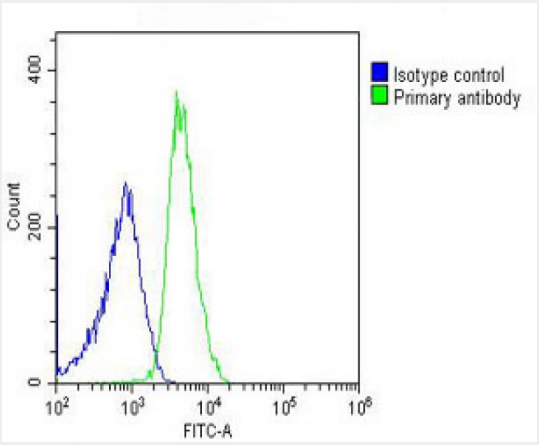
## RPL14 Antibody (Center) - Images

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).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999




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 µg 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 icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP21927c, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1µg/1x10^6 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.