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# RPL4 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22030a

## Product Information

| | |
|---|---|
| **Application** | WB, FC, IF, E |
| **Primary Accession** | P36578 |
| **Other Accession** | Q58DW0, Q28346, Q9D8E6, Q5RCR3 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Bovine, Mouse, Rat, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB55331 |
| **Calculated MW** | 47697 |

## Additional Information

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|---|---|
| **Gene ID** | 6124 |
| **Other Names** | 60S ribosomal protein L4, 60S ribosomal protein L1, RPL4, RPL1 |
| **Target/Specificity** | This RPL4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 119-149 amino acids from human RPL4. |
| **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** | RPL4 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | RPL4 |
| **Synonyms** | RPL1 |
| **Function** | Component of the large ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the |

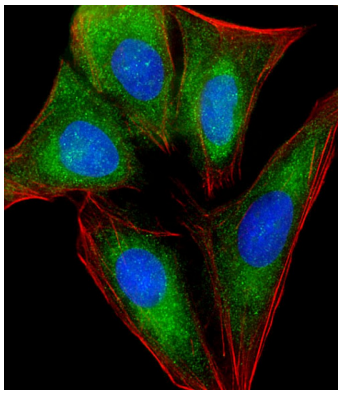
cell.

**Cellular Location** Cytoplasm.

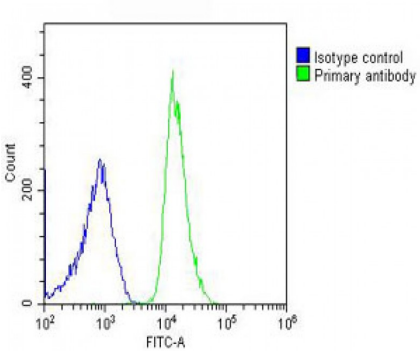
## References


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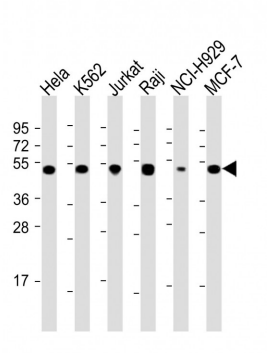

## Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling RPL4 with AP22030a 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 and nucleus 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).




Overlay histogram showing U-2OS cells stained with AP22030a (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 (AP22030a, 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.




All lanes : Anti-RPL4 Antibody (N-Term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: K562 whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: Raji whole cell lysate Lane 5: NCI-H929 whole cell lysate Lane 6: MCF-7 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 : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.