

**RPS4X Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22116b**

### Specification

#### RPS4X Antibody (C-Term) - Product Information

Application	WB, FC,E
Primary Accession	<a href="#">P62701</a>
Other Accession	<a href="#">Q76N24</a> , <a href="#">P62705</a> , <a href="#">Q76MY1</a> , <a href="#">P62704</a> , <a href="#">Q62738</a> , <a href="#">P62702</a> , <a href="#">P62703</a> , <a href="#">Q62739</a> , <a href="#">P79103</a> , <a href="#">P47836</a> , <a href="#">P47961</a> , <a href="#">P49401</a> , <a href="#">Q6PBC4</a> , <a href="#">G1TK17</a>
Reactivity	Human, Mouse, Rat
Predicted	Rabbit, Bovine, Chicken, Hamster, Xenopus
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	29598
Antigen Region	209-243

#### RPS4X Antibody (C-Term) - Additional Information

##### Gene ID 6191

##### Other Names

40S ribosomal protein S4, X isoform, SCR10, Single copy abundant mRNA protein, RPS4X, CCG2, RPS4, SCAR

##### Target/Specificity

This RPS4X antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 209-243 amino acids from the human region of human RPS4X.

##### Dilution

WB~~1:2000

FC~~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

RPS4X Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### RPS4X Antibody (C-Term) - Protein Information

Name RPS4X ([HGNC:10424](#))

**Synonyms** CCG2, RPS4, SCAR

**Function** Component of the small ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:[23636399](#)). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:[34516797](#)).

#### Cellular Location

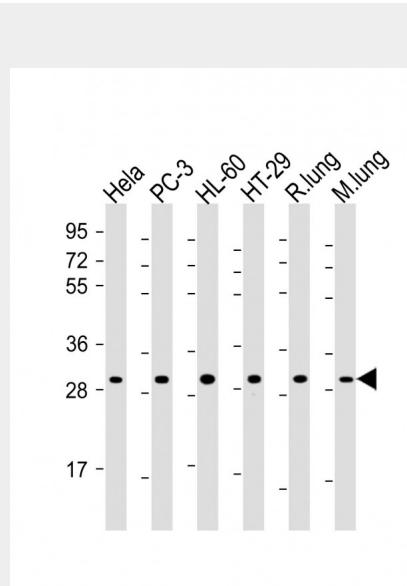
Cytoplasm. Nucleus, nucleolus. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

#### RPS4X Antibody (C-Term) - Protocols

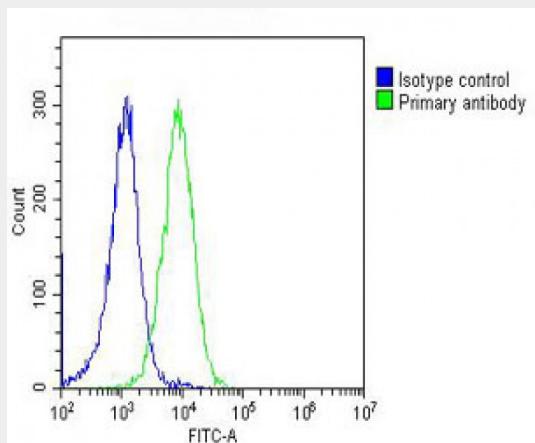
Provided below are standard protocols that you may find useful for product applications.

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

#### RPS4X Antibody (C-Term) - Images



All lanes : Anti-RPS4X Antibody (C-Term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: HL-60 whole cell lysate Lane 4: HT-29 whole cell lysate Lane 5: rat lung lysate Lane 6: mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 30 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing Hela cells stained with AP22116b (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 (AP22116b, 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/1 $\times$ 10 $^6$  cells) used under the same conditions. Acquisition of >10, 000 events was performed.

#### RPS4X Antibody (C-Term) - References

Fisher E.M.C., et al. Cell 63:1205-1218(1990).

Watanabe M., et al. J. Cell Sci. 100:35-43(1991).

Zuo L., et al. Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.

Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Dmitrenko V.V., et al. Submitted (APR-1996) to the EMBL/GenBank/DDBJ databases.