

**RPS10 Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22038b****Specification**

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**RPS10 Antibody (C-Term) - Product Information**

Application	WB, FC, IF,E
Primary Accession	<a href="#">P46783</a>
Other Accession	<a href="#">Q3T0F4</a> , <a href="#">G1T168</a>
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	18898
Antigen Region	96-129

**RPS10 Antibody (C-Term) - Additional Information****Gene ID** 6204**Other Names**

40S ribosomal protein S10, RPS10

**Target/Specificity**

This RPS10 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 96-129 amino acids from human RPS10.

**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**

RPS10 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**RPS10 Antibody (C-Term) - Protein Information**

**Name** RPS10

**Function** Component of the 40S ribosomal subunit (PubMed:[23636399](#)). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:[23636399](#)).

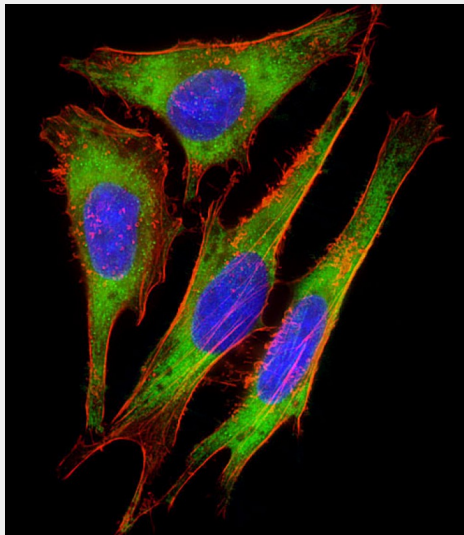
**Cellular Location**

Cytoplasm. Nucleus, nucleolus. Note=Localized in the granular component (GC) region of the nucleolus. Methylation is required for its localization in the GC region. Colocalizes with NPS1 in the GC region of the nucleolus.

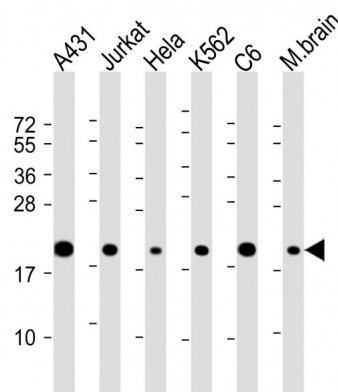
**RPS10 Antibody (C-Term) - Protocols**

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

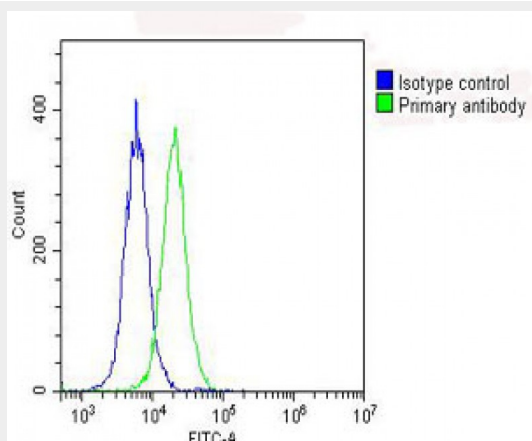
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**RPS10 Antibody (C-Term) - Images**

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling RPS10 with AP22038b 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 HeLa 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-RPS10 Antibody (C-Term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: Hela whole cell lysate Lane 4: K562 whole cell lysate Lane 5: C6 whole cell lysate Lane 6: mouse brain 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 : 19 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing HeLa cells stained with AP22038b (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 (AP22038b, 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.

### RPS10 Antibody (C-Term) - Background

Component of the 40S ribosomal subunit.

### RPS10 Antibody (C-Term) - References

- Frigerio J.-M.,et al.Biochim. Biophys. Acta 1262:64-68(1995).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mungall A.J.,et al.Nature 425:805-811(2003).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DBJ databases.

Vladimirov S.N.,et al.Eur. J. Biochem. 239:144-149(1996).