

**RPS11 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9634C**

**Specification**

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**RPS11 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P62280</a>
Other Accession	<a href="#">P41115</a> , <a href="#">P62282</a> , <a href="#">P62281</a> , <a href="#">P61270</a> , <a href="#">Q3T0V4</a> , <a href="#">G1TRM4</a>
Reactivity	Human
Predicted	Bovine, Monkey, Mouse, Rabbit, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18431
Antigen Region	80-108

**RPS11 Antibody (Center) - Additional Information**

**Gene ID** 6205

**Other Names**

40S ribosomal protein S11, RPS11

**Target/Specificity**

This RPS11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-108 amino acids from the Central region of human RPS11.

**Dilution**

WB~~1:1000

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**

RPS11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**RPS11 Antibody (Center) - Protein Information**

**Name** RPS11 ([HGNC:10384](#))

**Function** Component of the small ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell. 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](#)).

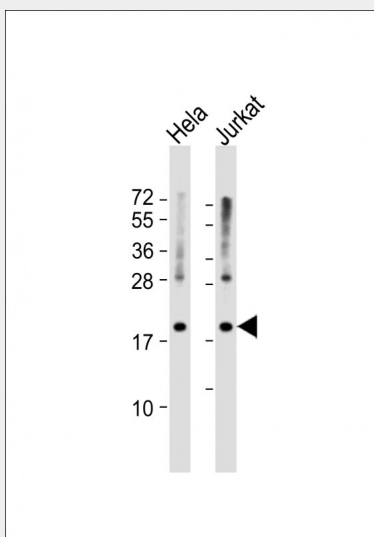
**Cellular Location**

Cytoplasm. Nucleus, nucleolus

**RPS11 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](#)

**RPS11 Antibody (Center) - Images**

All lanes : Anti-RPS11 Antibody (Center) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: Jurkat 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 : 18 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

**RPS11 Antibody (Center) - Background**

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80

structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S17P family of ribosomal proteins. It is located in the cytoplasm. The gene product of the E. coli ortholog (ribosomal protein S17) is thought to be involved in the recognition of termination codons. This gene is co-transcribed with a small nucleolar RNA gene, which is located in its third intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

#### **RPS11 Antibody (Center) - References**

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007)  
Yu, Y., et al. Protein Sci. 14(6):1438-1446(2005)  
Bouwmeester, T., et al. Nat. Cell Biol. 6(2):97-105(2004)