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RPS11 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9634C

Specification

RPS11 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P62280
Other Accession	P41115, P62282, P62281, P61270, Q3T0V4
Reactivity	**Human**
Predicted	**Bovine, Monkey, Mouse, 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

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).

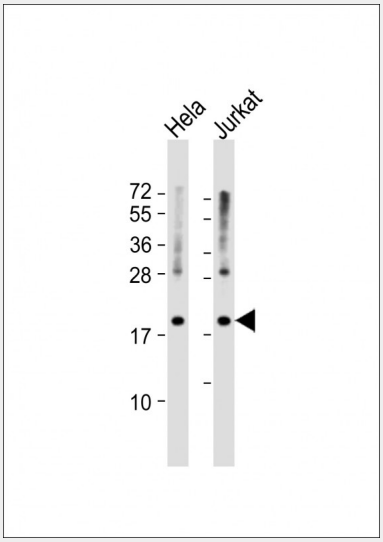
Cellular Location
Cytoplasm. Nucleus, nucleolus

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 Cytomety
- 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% NFDM/TBST.

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)