

RPS16 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14902C**Specification**

RPS16 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P62249
Other Accession	P62250 , Q29201 , P14131 , Q3T0X6 , NP_001011.1 , G1SGX4
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Rabbit, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	16445
Antigen Region	45-74

RPS16 Antibody (Center) - Additional Information**Gene ID** 6217**Other Names**

40S ribosomal protein S16, RPS16

Target/Specificity

This RPS16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-74 amino acids from the Central region of human RPS16.

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

RPS16 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RPS16 Antibody (Center) - Protein Information**Name** RPS16 ([HGNC:10396](#))

Function Component of the small ribosomal subunit (PubMed:[23636399](#)). 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

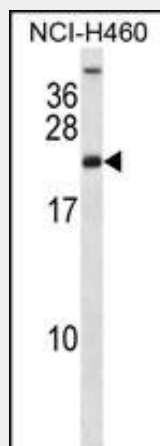
Cytoplasm. Nucleus, nucleolus

RPS16 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](#)

RPS16 Antibody (Center) - Images



RPS16 Antibody (Center) (Cat. #AP14902c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the RPS16 antibody detected the RPS16 protein (arrow).

RPS16 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 S9P family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed

through the genome.

RPS16 Antibody (Center) - References

Quarello, P., et al. Haematologica 95(2):206-213(2010)
Ivanov, A.V., et al. Mol. Biol. (Mosk.) 44(1):90-97(2010)
Malygin, A.A., et al. Biochimie 91(9):1180-1186(2009)
Robledo, S., et al. RNA 14(9):1918-1929(2008)
Ilan'shina, D.D., et al. Mol. Biol. (Mosk.) 41(6):1023-1030(2007)