

**RPS11 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9634c**

**Specification**

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

Primary Accession [P62280](#)

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

**Gene ID** 6205

**Other Names**

40S ribosomal protein S11, RPS11

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RPS11 Antibody (Center) Blocking Peptide - 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:<a href="http://www.uniprot.org/citations/34516797" target="\_blank">34516797</a>).

**Cellular Location**

Cytoplasm. Nucleus, nucleolus

**RPS11 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **RPS11 Antibody (Center) Blocking Peptide - Images**

### **RPS11 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)