

RPS12 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12967a**Specification**

RPS12 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P25398](#)**RPS12 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 6206**Other Names**

40S ribosomal protein S12, RPS12

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.

RPS12 Antibody (N-term) Blocking peptide - Protein Information**Name** RPS12 ([HGNC:10385](#))**Function**

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). Subunit of the 40S ribosomal complex (By similarity).

Cellular Location

Cytoplasm. Nucleus, nucleolus

RPS12 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RPS12 Antibody (N-term) Blocking peptide - Images**RPS12 Antibody (N-term) 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 S12E family of ribosomal proteins. It is located in the cytoplasm. Increased expression of this gene in colorectal cancers compared to matched normal colonic mucosa has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

RPS12 Antibody (N-term) Blocking peptide - References

Yu, Y., et al. Protein Sci. 14(6):1438-1446(2005) Andersen, J.S., et al. Nature 433(7021):77-83(2005) Kapp, L.D., et al. Annu. Rev. Biochem. 73, 657-704 (2004) :Sampath, P., et al. Mol. Cell. Biol. 23(5):1509-1519(2003) Yoshihama, M., et al. Genome Res. 12(3):379-390(2002)