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RPS9 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6618b

Specification

RPS9 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P46781

RPS9 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 6203

Other Names
40S ribosomal protein S9, RPS9

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6618b was selected from the C-term region of human RPS9. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

RPS9 Antibody (C-term) Blocking Peptide - Protein Information

Name RPS9 (HGNC:10442)

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. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

RPS9 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RPS9 Antibody (C-term) Blocking Peptide - Images

RPS9 Antibody (C-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. RPS9 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S4P family of ribosomal proteins. It is located in the cytoplasm.

RPS9 Antibody (C-term) Blocking Peptide - References

Lindstrom,M.S., J. Biol. Chem. 283 (23), 15568-15576 (2008)