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RPS24 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9726c

Specification

RPS24 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P62847

RPS24 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6229

Other Names
40S ribosomal protein S24, RPS24

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.

RPS24 Antibody (Center) Blocking Peptide - Protein Information

Name RPS24 (HGNC:10411)

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). Required for processing of pre-rRNA and maturation of 40S ribosomal subunits (PubMed:18230666). 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

Tissue Location
Mature tissues, such as adult brain, skeletal muscle, heart, and kidney, express low levels,

whereas tissues and organs with significant populations of proliferating cells, such as fetal brain, placenta, bone marrow, and various glandular organs, contain significantly higher levels.

RPS24 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

RPS24 Antibody (Center) Blocking Peptide - Images

RPS24 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. RPS24 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S24E family of ribosomal proteins. It is located in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

RPS24 Antibody (Center) Blocking Peptide - References

Quarello, P., et al. Haematologica 95(2):206-213(2010)Badhai, J., et al. Biochim. Biophys. Acta 1792(10):1036-1042(2009)Robledo, S., et al. RNA 14(9):1918-1929(2008)