

NOL5A Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2847c**Specification**

NOL5A Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O00567](#)**NOL5A Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 10528**Other Names**

Nucleolar protein 56, Nucleolar protein 5A, NOP56, NOL5A

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2847c](/products/AP2847c) was selected from the Center region of human NOL5A. 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.

NOL5A Antibody (Center) Blocking Peptide - Protein Information**Name** NOP56 ([HGNC:15911](#))**Synonyms** NOL5A**Function**

Involved in the early to middle stages of 60S ribosomal subunit biogenesis. Core component of box C/D small nucleolar ribonucleoprotein (snoRNP) particles. Required for the biogenesis of box C/D snoRNAs such as U3, U8 and U14 snoRNAs (PubMed: [12777385](http://www.uniprot.org/citations/12777385), PubMed: [15574333](http://www.uniprot.org/citations/15574333)). 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: [15574333](#)).

href="http://www.uniprot.org/citations/34516797" target="_blank">34516797).

Cellular Location

Nucleus, nucleolus. Cytoplasm {ECO:0000250|UniProtKB:Q9D6Z1} Nucleus, nucleoplasm

NOL5A Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NOL5A Antibody (Center) Blocking Peptide - Images**NOL5A Antibody (Center) Blocking Peptide - Background**

Nop56p is a yeast nucleolar protein that is part of a complex with the nucleolar proteins Nop58p and fibrillarin. Nop56p is required for assembly of the 60S ribosomal subunit and is involved in pre-rRNA processing. NOL5A is similar in sequence to Nop56p and is also found in the nucleolus.

NOL5A Antibody (Center) Blocking Peptide - References

Nousiainen, M., Proc. Natl. Acad. Sci. U.S.A. 103 (14), 5391-5396 (2006) Hayano, T., J. Biol. Chem. 278 (36), 34309-34319 (2003)