

**NOP2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8773a****Specification**

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**NOP2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession  
Other Accession[P46087](#)  
[NP\\_006161](#)**NOP2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4839**Other Names**

Probable 28S rRNA (cytosine(4447)-C(5))-methyltransferase, 211-, Nucleolar protein 1, Nucleolar protein 2 homolog, Proliferating-cell nucleolar antigen p120, Proliferation-associated nucleolar protein p120, NOP2, NOL1, NSUN1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8773a](/products/AP8773a) was selected from the N-term region of human NOP2. 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.

**NOP2 Antibody (N-term) Blocking Peptide - Protein Information****Name** NOP2**Synonyms** NOL1, NSUN1**Function**

S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the C(5) position of cytosine 4447 in 28S rRNA (PubMed:[26196125](http://www.uniprot.org/citations/26196125)). Required for efficient rRNA processing and 60S ribosomal subunit biogenesis (PubMed:[24120868](http://www.uniprot.org/citations/24120868), PubMed:[36161484](http://www.uniprot.org/citations/36161484)). Regulates pre-rRNA processing through non-catalytic complex formation with box C/D snoRNAs and

facilitates the recruitment of U3 and U8 snoRNAs to pre-90S ribosomal particles and their stable assembly into snoRNP complexes (PubMed:<a href="http://www.uniprot.org/citations/36161484" target="\_blank">36161484</a>). May play a role in the regulation of the cell cycle and the increased nucleolar activity that is associated with the cell proliferation (PubMed:<a href="http://www.uniprot.org/citations/24120868" target="\_blank">24120868</a>).

**Cellular Location**

Nucleus, nucleolus. Nucleus Note=Localizes predominantly in the nucleolus and to a smaller extent in the nucleus.

**NOP2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**NOP2 Antibody (N-term) Blocking Peptide - Images****NOP2 Antibody (N-term) Blocking Peptide - Background**

NOP2 may play a role in the regulation of the cell cycle and the increased nucleolar activity that is associated with the cell proliferation. May act as ribosomal RNA methyltransferase.

**NOP2 Antibody (N-term) Blocking Peptide - References**

Mayya V., et.al., Sci. Signal. 2:RA46-RA46(2009).