

**PNO1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4714a**

**Specification**

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**PNO1 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q9NRX1](#)

**PNO1 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 56902

**Other Names**

RNA-binding protein PNO1, PNO1

**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.

**PNO1 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** PNO1 ([HGNC:32790](#))

**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:<a href="http://www.uniprot.org/citations/34516797" target="\_blank">34516797</a>). Positively regulates dimethylation of two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA (PubMed:<a href="http://www.uniprot.org/citations/25851604" target="\_blank">25851604</a>).

**Cellular Location**

Nucleus, nucleolus

**Tissue Location**

Expressed in liver, lung, spleen and kidney. Weakly expressed in thymus, testis and ovary. Weakly or not expressed in heart, brain, skeletal muscle, placenta, pancreas, prostate, small intestine, colon and peripheral blood leukocytes

**PN01 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PN01 Antibody (N-term) Blocking Peptide - Images****PN01 Antibody (N-term) Blocking Peptide - References**

Olsen, J.V., et al. Cell 127(3):635-648(2006)Stelzl, U., et al. Cell 122(6):957-968(2005)Hillier, L.W., et al. Nature 434(7034):724-731(2005)Zhou, G.J., et al. DNA Seq. 15(3):219-224(2004)