10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PNO1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP4714a

Specification

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:34516797). Positively regulates dimethylation of two adjacent adenosines in the loop of a conserved hairpin near the 3'-end of 18S rRNA (PubMed:25851604).

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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PNO1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PNO1 Antibody (N-term) Blocking Peptide - Images

PNO1 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)