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IMP3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9901b

Specification

IMP3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9NV31

IMP3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 55272

Other Names
U3 small nucleolar ribonucleoprotein protein IMP3, U3 snoRNP protein IMP3, BRMS2, IMP3, C15orf12, MRPS4

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.

IMP3 Antibody (C-term) Blocking Peptide - Protein Information

Name IMP3 (HGNC:14497)

Synonyms C15orf12, MRPS4

Function
Component of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP). Required for the early cleavages during pre-18S ribosomal RNA processing (PubMed:12655004). 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
Nucleus, nucleolus

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IMP3 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

IMP3 Antibody (C-term) Blocking Peptide - Images

IMP3 Antibody (C-term) Blocking Peptide - Background

This gene encodes the human homolog of the yeast Imp3 protein. The protein localizes to the nucleoli and interacts with the U3 snoRNP complex. The protein contains an S4 domain.

IMP3 Antibody (C-term) Blocking Peptide - References

Li, D., et al. Ann. Surg. Oncol. 16(12):3499-3506(2009)Walter, O., et al. Hum. Pathol. 40(11):1528-1533(2009)Riener, M.O., et al. Hum. Pathol. 40(10):1377-1383(2009)Noske, A., et al. Int. J. Gynecol. Pathol. 28(3):203-210(2009)