

NMD3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP1948b**Specification**

NMD3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96D46](#)**NMD3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 51068**Other Names**

60S ribosomal export protein NMD3, hNMD3, NMD3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1948b](/product/products/AP1948b) was selected from the C-term region of human NMD3. 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.

NMD3 Antibody (C-term) Blocking Peptide - Protein Information**Name** NMD3**Function**

Acts as an adapter for the XPO1/CRM1-mediated export of the 60S ribosomal subunit.

Cellular Location

Cytoplasm. Nucleus. Note=Shuttles between the nucleus/nucleolus and the cytoplasm in a XPO1/CRM1-dependent manner

NMD3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NMD3 Antibody (C-term) Blocking Peptide - Images

NMD3 Antibody (C-term) Blocking Peptide - Background

It has been suggested that NMD3 is a cytoplasmic factor required for a late cytoplasmic assembly step of the 60S subunit but is not a ribosomal protein. A mutation in NMD3 was found to be lethal in the absence of XRN1, which encodes the major cytoplasmic exoribonuclease responsible for mRNA turnover. The NMD3 protein sequence does not contain readily recognizable motifs of known function. However, NMD3 orthologues display an amino-terminal domain containing four repeats of Cx2C, reminiscent of zinc-binding proteins, implicated in nucleic acid binding or protein oligomerization.

NMD3 Antibody (C-term) Blocking Peptide - References

Trotta, C.R., et al., EMBO J. 22(11):2841-2851 (2003). Ho, J.H. et al., Mol. Cell. Bio., 19(3):2389-2399 (1999).