

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

---

**NMD3 Antibody (C-term) Blocking Peptide - Product Information**

Primary 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).