

**CNOT4 Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP1462b**Specification**

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**CNOT4 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O95628](#)**CNOT4 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 4850

**Other Names**

CCR4-NOT transcription complex subunit 4, 632-, CCR4-associated factor 4, E3 ubiquitin-protein ligase CNOT4, Potential transcriptional repressor NOT4Hp, CNOT4, NOT4

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1462b](/product/products/AP1462b) was selected from the C-term region of human CNOT4. 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.

**CNOT4 Antibody (C-term) Blocking Peptide - Protein Information**

Name CNOT4

Synonyms NOT4

**Function**

Has E3 ubiquitin ligase activity, promoting ubiquitination and degradation of target proteins (PubMed: [11823428](http://www.uniprot.org/citations/11823428), PubMed: [22159038](http://www.uniprot.org/citations/22159038), PubMed: [26575292](http://www.uniprot.org/citations/26575292)). Involved in activation of the JAK/STAT pathway (PubMed: [11823428](http://www.uniprot.org/citations/11823428), PubMed: [22159038](http://www.uniprot.org/citations/22159038)). Catalyzes ubiquitination of methylated RBM15 (PubMed: [26575292](http://www.uniprot.org/citations/26575292)). Plays a role

in quality control of translation of mitochondrial outer membrane-localized mRNA (PubMed:<a href="http://www.uniprot.org/citations/29861391" target="\_blank">29861391</a>). As part of the PINK1-regulated signaling, upon mitochondria damage, ubiquitinates ABCE1 and thereby recruits autophagy receptors to the mitochondrial outer membrane to initiate mitophagy (PubMed:<a href="http://www.uniprot.org/citations/29861391" target="\_blank">29861391</a>).

**Cellular Location**

Cytoplasm. Nucleus.

**CNOT4 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CNOT4 Antibody (C-term) Blocking Peptide - Images****CNOT4 Antibody (C-term) Blocking Peptide - Background**

CNOT4 has intrinsic E3 ubiquitin ligase activity. Binding of the CNOT4 RING finger to the ubiquitin-conjugating enzyme (E2) UbcH5B is highly selective. The CCR4-NOT complex functions as a global regulator of RNA polymerase II transcription.

**CNOT4 Antibody (C-term) Blocking Peptide - References**

Albert T.K., Nucleic Acids Res. 28:809-817(2000). Albert T.K., EMBO J. 21:355-364(2002).