

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

**Name** CNOT4

**Synonyms** NOT4

**Function**

Has E3 ubiquitin ligase activity, promoting ubiquitination and degradation of target proteins (PubMed:<a href="http://www.uniprot.org/citations/11823428" target="\_blank">11823428</a>, PubMed:<a href="http://www.uniprot.org/citations/22159038" target="\_blank">22159038</a>, PubMed:<a href="http://www.uniprot.org/citations/26575292" target="\_blank">26575292</a>). Involved in activation of the JAK/STAT pathway (PubMed:<a href="http://www.uniprot.org/citations/11823428" target="\_blank">11823428</a>, PubMed:<a href="http://www.uniprot.org/citations/22159038" target="\_blank">22159038</a>). Catalyzes ubiquitination of methylated RBM15 (PubMed:<a href="http://www.uniprot.org/citations/26575292" target="\_blank">26575292</a>). 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](#)