

CNOT4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1462a**Specification**

CNOT4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O95628](#)**CNOT4 Antibody (N-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 [AP1462a](/product/products/AP1462a) was selected from the N-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 (N-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:29861391). 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:29861391).

Cellular Location

Cytoplasm. Nucleus.

CNOT4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CNOT4 Antibody (N-term) Blocking Peptide - Images**CNOT4 Antibody (N-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 (N-term) Blocking Peptide - References

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