

CNOT3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14759a**Specification**

CNOT3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O75175](#)**CNOT3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4849**Other Names**

CCR4-NOT transcription complex subunit 3, CCR4-associated factor 3, Leukocyte receptor cluster member 2, CNOT3, KIAA0691, LENG2, NOT3

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.

CNOT3 Antibody (N-term) Blocking Peptide - Protein Information**Name** CNOT3 ([HGNC:7879](#))**Synonyms** KIAA0691, LENG2, NOT3**Function**

Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. May be involved in metabolic regulation; may be involved in recruitment of the CCR4-NOT complex to deadenylation target mRNAs involved in energy metabolism. Involved in mitotic progression and regulation of the spindle assembly checkpoint by regulating the stability of MAD1L1 mRNA. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation; the repressive function may involve histone deacetylases. Involved in the maintenance of embryonic stem (ES) cell identity.

Cellular Location

Cytoplasm. Nucleus. Cytoplasm, P-body. Note=NANOS2 promotes its localization to P-body.

Tissue Location

Ubiquitous. Highly expressed in brain, heart, thymus, spleen, kidney, liver, small intestine, lung and peripheral blood leukocytes.

CNOT3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CNOT3 Antibody (N-term) Blocking Peptide - Images

CNOT3 Antibody (N-term) Blocking Peptide - Background

The CCR4-NOT complex functions as general transcription regulation complex.

CNOT3 Antibody (N-term) Blocking Peptide - References

Miyasaka, T., et al. Cancer Sci. 99(4):755-761(2008) Morita, M., et al. Mol. Cell. Biol. 27(13):4980-4990(2007) Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005) Yin, X., et al. Biochem. Biophys. Res. Commun. 329(3):1010-1017(2005) Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)