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CNOT2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14239c

Specification

CNOT2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9NZN8

CNOT2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4848

Other Names
CCR4-NOT transcription complex subunit 2, CCR4-associated factor 2, CNOT2, CDC36, NOT2

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.

CNOT2 Antibody (Center) Blocking Peptide - Protein Information

Name CNOT2

Synonyms CDC36, NOT2

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. Required for the CCR4- NOT complex structural integrity. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation; the repressive function may specifically involve the N-Cor repressor complex containing HDAC3, NCOR1 and NCOR2. Involved in the maintenance of embryonic stem (ES) cell identity.

Cellular Location
Cytoplasm. Nucleus

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

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CNOT2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

CNOT2 Antibody (Center) Blocking Peptide - Images

CNOT2 Antibody (Center) Blocking Peptide - Background

This gene encodes a subunit of the multi-componentCCR4-NOT complex. The CCR4-NOT complex regulates mRNA synthesis anddegradation and is also thought to be involved in mRNA splicing,transport and localization. The encoded protein interacts withhistone deacetylases and functions as a repressor of polymerase IItranscription. Alternatively spliced transcript variants have beenobserved for this gene.

CNOT2 Antibody (Center) Blocking Peptide - References

Lau, N.C., et al. Biochem. J. 422(3):443-453(2009)Miyasaka, T., et al. Cancer Sci. 99(4):755-761(2008)Morita, M., et al. Mol. Cell. Biol. 27(13):4980-4990(2007)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)Matsuoka, S., et al. Science 316(5828):1160-1166(2007)