

CNOT3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14759A**Specification**

CNOT3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O75175
Other Accession	O8K0V4 , NP_055331.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	81872
Antigen Region	142-171

CNOT3 Antibody (N-term) - 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

Target/Specificity

This CNOT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 142-171 amino acids from the N-terminal region of human CNOT3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CNOT3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CNOT3 Antibody (N-term) - 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

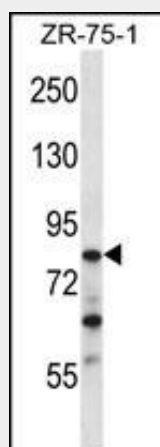
Ubiquitous. Highly expressed in brain, heart, thymus, spleen, kidney, liver, small intestine, lung and peripheral blood leukocytes.

CNOT3 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CNOT3 Antibody (N-term) - Images



CNOT3 Antibody (N-term) (Cat. #AP14759a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the CNOT3 antibody detected the CNOT3 protein (arrow).

CNOT3 Antibody (N-term) - Background

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

CNOT3 Antibody (N-term) - 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)