

CNOT4 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1462a**Specification**

CNOT4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O95628
Other Accession	Q8BT14
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	63510
Antigen Region	54-84

CNOT4 Antibody (N-term) - 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

This CNOT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-84 amino acids from the N-terminal region of human CNOT4.

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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

CNOT4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CNOT4 Antibody (N-term) - Protein Information**Name** CNOT4

Synonyms NOT4

Function Has E3 ubiquitin ligase activity, promoting ubiquitination and degradation of target proteins (PubMed:[11823428](#), PubMed:[22159038](#), PubMed:[26575292](#)). Involved in activation of the JAK/STAT pathway (PubMed:[11823428](#), PubMed:[22159038](#)). Catalyzes ubiquitination of methylated RBM15 (PubMed:[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

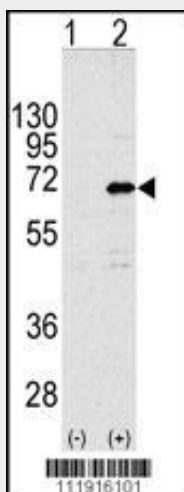
Cytoplasm. Nucleus.

CNOT4 Antibody (N-term) - Protocols

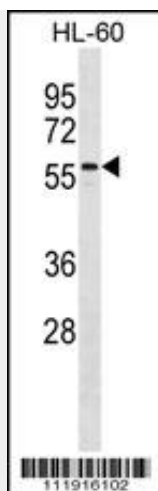
Provided below are standard protocols that you may find useful for product applications.

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

CNOT4 Antibody (N-term) - Images



Western blot analysis of CNOT4 (arrow) using rabbit polyclonal CNOT4 Antibody (N-term) (RB11916). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CNOT4 gene (Lane 2) (Origene Technologies).



CNOT4 Antibody (N-term) (Cat. #AP1462a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the CNOT4 antibody detected the CNOT4 protein (arrow).

CNOT4 Antibody (N-term) - 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) - References

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