

**CNOT4 Antibody**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM1956b****Specification**

---

**CNOT4 Antibody - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O95628</a>
Other Accession	<a href="#">NP_037448.2</a> , <a href="#">NP_001177776.1</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2a,k</b>

**CNOT4 Antibody - 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 monoclonal antibody is generated from mouse immunized with CNOT4 recombinant protein.

**Dilution**

WB~~1:8000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, 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 is for research use only and not for use in diagnostic or therapeutic procedures.

**CNOT4 Antibody - 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

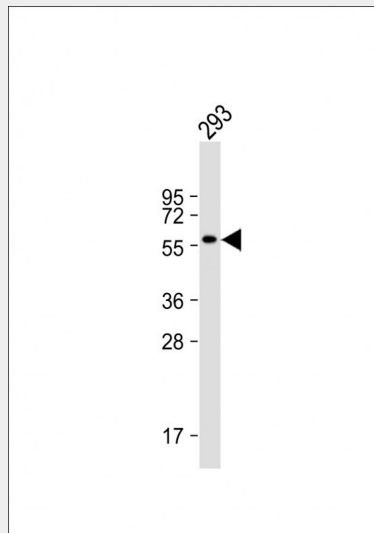
Cytoplasm. Nucleus.

### CNOT4 Antibody - 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 - Images



Anti-CNOT4 Antibody at 1:8000 dilution + 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 64 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

### CNOT4 Antibody - Background

The protein encoded by this gene is a subunit of the CCR4-NOT complex, a global transcriptional regulator. The encoded protein interacts with CNOT1 and has E3 ubiquitin ligase activity. Several transcript variants encoding different isoforms have been found for this gene.

### CNOT4 Antibody - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :  
Lau, N.C., et al. Biochem. J. 422(3):443-453(2009)  
Mersman, D.P., et al. Genes Dev. 23(8):951-962(2009)  
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)  
Winkler, G.S., et al. J. Mol. Biol. 337(1):157-165(2004)