

CNOT4 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM1956b

Specification

CNOT4 Antibody - Product Information

Application	WB,E
Primary Accession	O95628
Other Accession	NP_037448.2 , NP_001177776.1
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k

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
E~~Use at an assay dependent concentration.

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

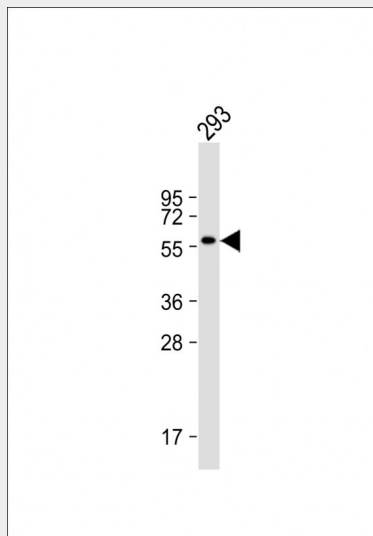
Cytoplasm. Nucleus.

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% NFD/MBST.

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)