

Product datasheet for **TA306651**

CNOT4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CNOT4 antibody was raised against a 19 amino acid peptide near the amino terminus of the human CNOT4.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CCR4-NOT transcription complex subunit 4
Database Link:	NP_037448 Entrez Gene 4850 Human O95628

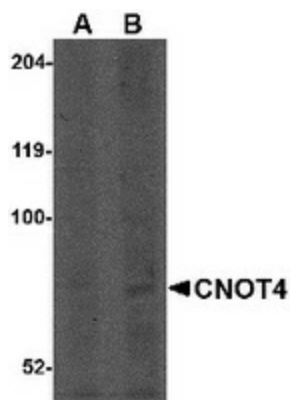
Background: CNOT4 is a component of the CCR4-NOT transcription complex, a complex that is implicated in the repression of RNA polymerase II transcription. In the CCR4-NOT complex, CNOT4 acts as an E3 ubiquitin-protein ligase and interacts with a subset of E2 ubiquitin-conjugating enzymes through a unique C4C4 RING domain. This E3 ligase activity was shown to be dependent on the selective and specific interaction with the ubiquitin conjugating enzyme UbcH5B. In yeast, mutations in CNOT4 that prevented its interaction with the UbcH5B homolog UBC4 caused increased sensitivity to hydroxyurea, heat shock, and hygromycin B, suggesting that CNOT4 and UbcH5B are involved in stress response in vivo. Multiple isoforms of CNOT4 are known to exist.



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Synonyms: CLONE243; NOT4; NOT4H

Product images:



Western blot analysis of CNOT4 in A549 lysate with CNOT4 antibody at (A) 1 and (B) 2 ug/ml.