

Datasheet for ABIN499646

**anti-CNOT4 antibody (N-Term)**[Go to Product page](#)**1** Image

## Overview

Quantity:	0.1 mg
Target:	CNOT4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNOT4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	CNOT4 antibody was raised against a 19 amino acid peptide near the amino terminus of the human CNOT4.
Isotype:	IgG
Specificity:	This antibody reacts to CNOT4.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	CNOT4
Alternative Name:	CNOT4 ( <a href="#">CNOT4 Products</a> )
Background:	CNOT4 is a component of the CCR4-NOT transcription complex, a complex that is implicated in

## Target Details

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. Synonyms: CCR4-NOT transcription complex subunit 4, CCR4-associated factor 4, E3 ubiquitin-protein ligase CNOT4, NOT4, NOT4Hp, Potential transcriptional repressor NOT4Hp

Gene ID: 4850

NCBI Accession: [NP\\_037448](#)

UniProt: [O95628](#)

## Application Details

Application Notes: ELISA. Western Blot: CNOT4 antibody can be used for detection of CNOT4 at 1 - 2 µg/mL.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

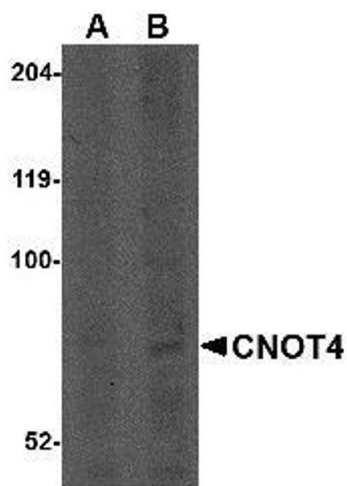
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Western Blotting

**Image 1.** Western blot analysis of CNOT4 in A549 lysate with AP30240PU-N CNOT4 antibody at (A) 1 and (B) 2  $\mu$ g/ml.