

Datasheet for ABIN7147101
anti-CNOT3 antibody (AA 257-395)



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2 Images

Overview

Quantity:	100 µg
Target:	CNOT3
Binding Specificity:	AA 257-395
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNOT3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human CCR4-NOT transcription complex subunit 3 protein (257-395AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CNOT3
Alternative Name:	CNOT3 (CNOT3 Products)
Background:	Background: Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation,

Target Details

miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. May be involved in metabolic regulation, may be involved in recruitment of the CCR4-NOT complex to deadenylation target mRNAs involved in energy metabolism.

Involved in mitotic progression and regulation of the spindle assembly checkpoint by regulating the stability of MAD1L1 mRNA. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation, the repressive function may involve histone deacetylases. Involved in the maintenance of embryonic stem (ES) cell identity.

Aliases: CCR4 associated factor 3 antibody, CCR4-associated factor 3 antibody, CCR4-NOT transcription complex subunit 3 antibody, CNOT3 antibody, CNOT3_HUMAN antibody, KIAA0691 antibody, LENG2 antibody, Leukocyte receptor cluster member 2 antibody, negative regulator of transcription 3, S. cerevisiae, homolog of antibody, NOT3 (negative regulator of transcription 3, yeast) homolog antibody, NOT3 antibody, NOT3H antibody

UniProt: [O75175](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

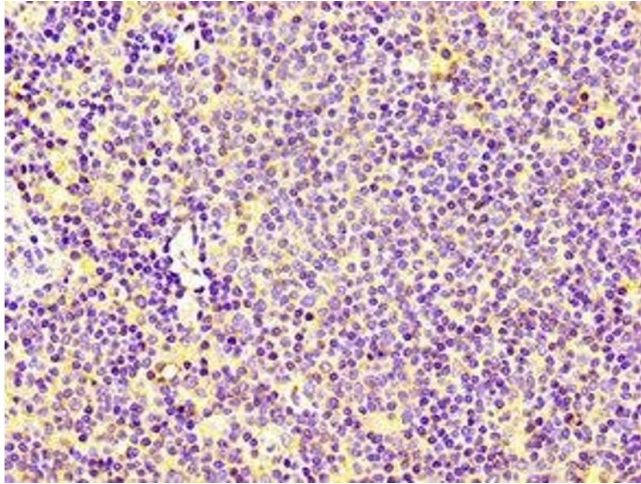
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

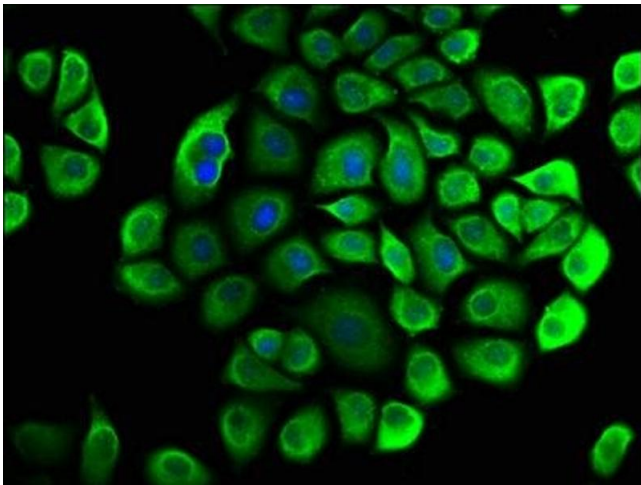
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7147101 diluted at 1:100 and staining in paraffin-embedded human lymph node tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells with ABIN7147101 at 1:33, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).