

For Research Use Only

# CNOT3 Polyclonal antibody

Catalog Number: 11135-1-AP

Featured Product

11 Publications



## Basic Information

<b>Catalog Number:</b> 11135-1-AP	<b>GenBank Accession Number:</b> BC016474	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4849	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> CCR4-NOT transcription complex, subunit 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 120 kDa	
<b>Immunogen Catalog Number:</b> AG1587	<b>Observed MW:</b> 120 kDa	

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB:</b> Raji cells, HEK-293 cells, HT-1080 cells, human brain tissue, K-562 cells, mouse brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP:</b> HeLa cells,
<b>Cited Species:</b> human, mouse	<b>IF:</b> HeLa cells,

## Background Information

The CCR4-NOT complex, the major deadenylase in mammalian cells, shortens the mRNA poly(A) tail and leads to the destabilization of mRNAs. The CCR4-NOT complex plays pivotal roles in various physiological functions, including cell apoptosis, proliferation, and metabolism [PMID:22342980]. CNOT3, belongs to the CCR4-NOT complex, has a critical role in maintaining mouse and human ESC identity as a protein complex and inhibit differentiation into the extraembryonic lineages. It is also involved in the regulation of the spindle assembly checkpoint [PMID:22342980,22367759].

## Notable Publications

Author	Pubmed ID	Journal	Application
Ewan K S McRae	31653714	RNA	WB
Lin Jing	31177396	Apoptosis	WB
Clément Chapat	28591869	Nucleic Acids Res	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

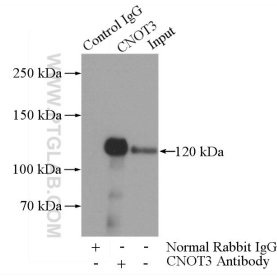
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

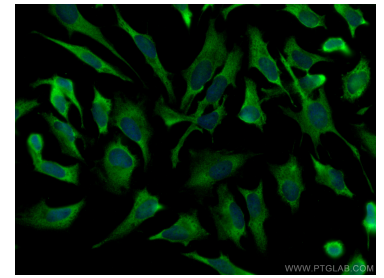
## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 11135-1-AP (CNOT3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-CNOT3 (IP:11135-1-AP, 4 $\mu$ g; Detection:11135-1-AP 1:1000) with HeLa cells lysate 3200 $\mu$ g.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CNOT3 antibody (11135-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).