

For Research Use Only

# CNOT4 Recombinant antibody

Catalog Number: 83615-4-RR



## Basic Information

<b>Catalog Number:</b> 83615-4-RR	<b>GenBank Accession Number:</b> BC035590	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 4850	<b>CloneNo.:</b> 240559E1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95628	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:150-1:600 IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> CCR4-NOT transcription complex, subunit 4	
<b>Immunogen Catalog Number:</b> AG3163	<b>Calculated MW:</b> 575 aa, 64 kDa <b>Observed MW:</b> 64-85 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> <b>WB :</b> MCF-7 cells, HEK-293T cells, HeLa cells, K-562 cells, Jurkat cells, NIH/3T3 cells <b>IHC :</b> human ovary cancer tissue, <b>IF/ICC :</b> HeLa cells,
<b>Species Specificity:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

CNOT4, also known as CCR4-NOT transcription complex subunit 4, has E3 ubiquitin ligase activity, and promotes ubiquitination and degradation of target proteins. CNOT4 is involved in activation of the JAK/STAT pathway. CNOT4 exist many isoforms and the range of its molecular weight from 48 to 84 kDa.

## 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**

For technical support and original validation data for this product please contact:

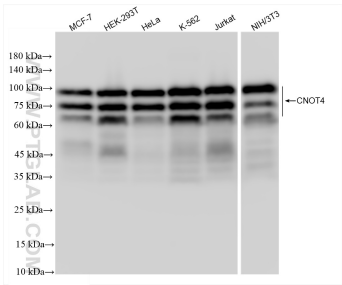
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

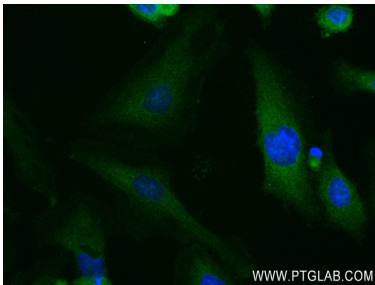
W: [ptgcn.com](http://ptgcn.com)

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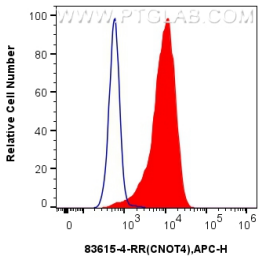
Selected Validation Data



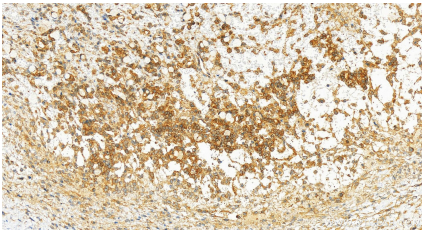
Various lysates were subjected to SDS PAGE followed by western blot with 83615-4-RR (CNOT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



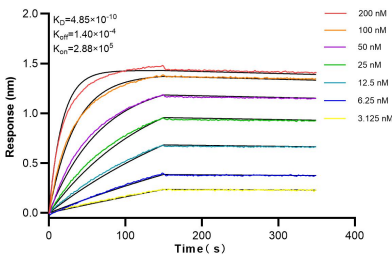
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CNOT4 antibody (83615-4-RR, Clone: 240559E1) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug Cnot4 Recombinant Antibody (83615-4-RR, Clone:240559E1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83615-4-RR (CNOT4 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83615-4-RR against Human CNOT4 were performed. The affinity constant is 0.485 nM.