

For Research Use Only

# CNOT4 Monoclonal antibody

Catalog Number: 67798-1-Ig



## Basic Information

<b>Catalog Number:</b> 67798-1-Ig	<b>GenBank Accession Number:</b> BC035590	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4850	<b>CloneNo.:</b> 4H5H3
<b>Source:</b> Mouse	<b>Full Name:</b> CCR4-NOT transcription complex, subunit 4	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000 IF 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 575 aa, 64 kDa	
<b>Immunogen Catalog Number:</b> AG29964	<b>Observed MW:</b> 64-85 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

Human, mouse, rat

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

### Positive Controls:

**WB** : HeLa cells, U2OS cells, MCF-7 cells, HSC-T6 cells,  
HEK-293 cells, Jurkat cells, K-562 cells, NIH/3T3 cells,  
4T1 cells.

**IHC** : human colon cancer tissue,

**IF** : human colon cancer tissue,

## 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

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

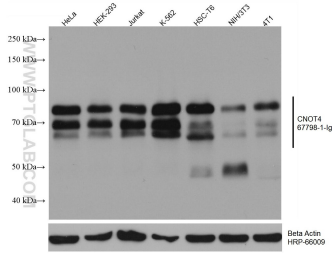
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

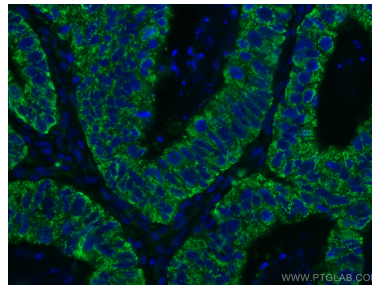
E: proteintech@ptglab.com  
W: ptglab.com

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

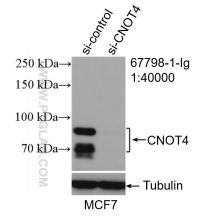
## Selected Validation Data



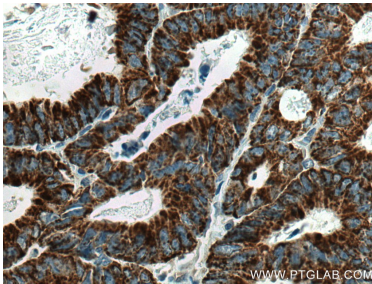
Various lysates were subjected to SDS PAGE followed by western blot with 67798-1-Ig (CNOT4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



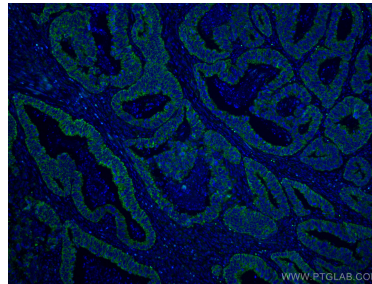
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CNOT4 antibody (67798-1-Ig, Clone: 4H5H3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB result of CNOT4 antibody (67798-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNOT4 transfected MCF-7 cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67798-1-Ig (CNOT4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CNOT4 antibody (67798-1-Ig, Clone: 4H5H3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).