

For Research Use Only

# CNOT4 Monoclonal antibody, PBS Only



Catalog Number: 67798-1-PBS

## Basic Information

<b>Catalog Number:</b> 67798-1-PBS	<b>GenBank Accession Number:</b> BC035590	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4850	<b>CloneNo.:</b> 4H5H3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O95628	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> CCR4-NOT transcription complex, subunit 4	
<b>Immunogen Catalog Number:</b> AG29964	<b>Calculated MW:</b> 575 aa, 64 kDa	
	<b>Observed MW:</b> 64-85 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IF-P, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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

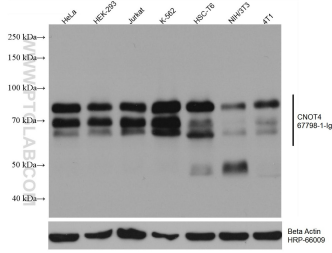
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

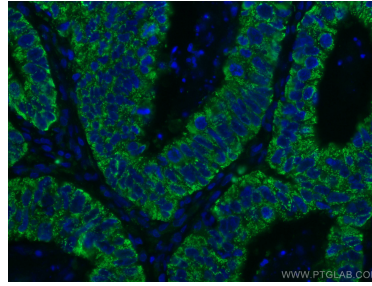
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

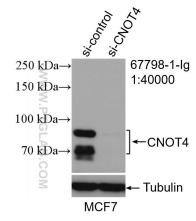
## Selected Validation Data



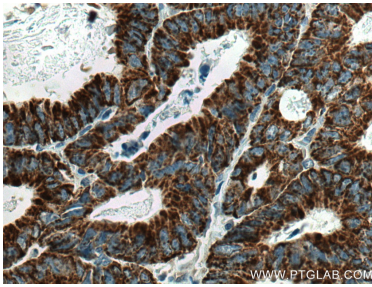
Various lysates were subjected to SDS PAGE followed by western blot with 67798-1-Ig (CNOT4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 67798-1-PBS in a different storage buffer formulation.



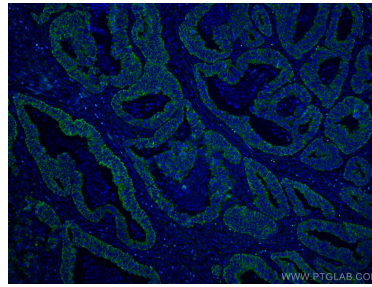
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CNOT4 antibody (67798-1-Ig, Clone: 4H5H3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67798-1-PBS in a different storage buffer formulation.



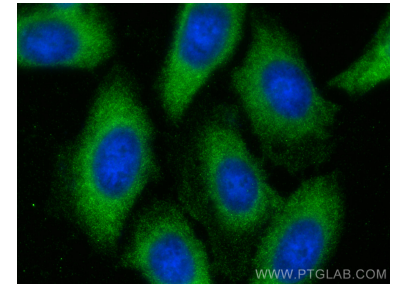
WB result of CNOT4 antibody (67798-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNOT4 transfected MCF-7 cells. This data was developed using the same antibody clone with 67798-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67798-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67798-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CNOT4 antibody (67798-1-Ig, Clone: 4H5H3) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67798-1-PBS in a different storage buffer formulation.