

For Research Use Only

# CNOT1 Monoclonal antibody, PBS Only



Catalog Number: 66507-1-PBS

Featured Product

## Basic Information

Catalog Number:

66507-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5623

GenBank Accession Number:

BC040523

GeneID (NCBI):

23019

UNIPROT ID:

A5YKK6

Full Name:

CCR4-NOT transcription complex, subunit 1

Calculated MW:

267 kDa

Observed MW:

240-250 kDa

Purification Method:

Protein A purification

CloneNo.:

1A10A11

## Applications

Tested Applications:

WB, IHC, IF, ELISA

Species Specificity:

Human, mouse, rat, pig

## Background Information

CNOT1 is a component of CCR4-NOT protein complex, which is a regulator of RNA polymerase II transcription, acts as a transcription repressor. CCR4-NOT complex could participate in transcription as well as mRNA degradation. It's highly expressed in brain, heart, thymus, but weak in skeletal muscle and colon. CNOT1 undergoes alternative splicing to produce four isoforms. CNOT1 exists as many isoforms. The isoform one is about 267 kDa and the isoform four is about 173 kDa.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS only

Aliquoting is unnecessary for -20°C storage

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

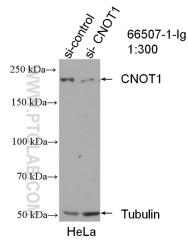
T: 4006900926

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

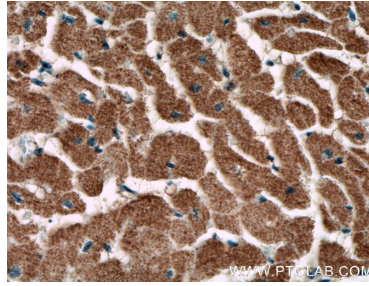
W: [ptgcn.com](http://ptgcn.com)

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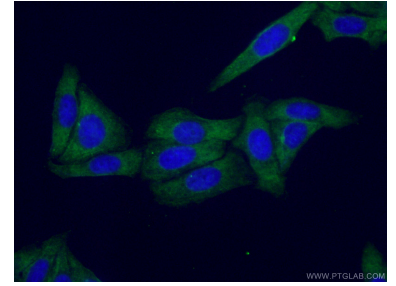
## Selected Validation Data



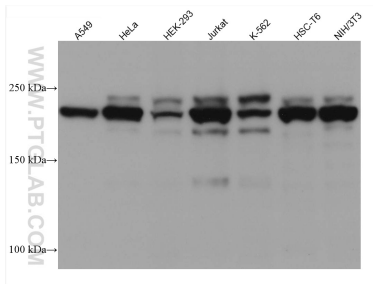
WB result of CNOT1 antibody (66507-1-Ig; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNOT1 transfected HeLa cells. This data was developed using the same antibody clone with 66507-1-PBS in a different storage buffer formulation.



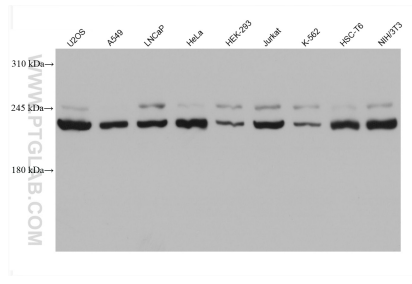
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66507-1-Ig (CNOT1 antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 66507-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66507-1-Ig (CNOT1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66507-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66507-1-Ig (CNOT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66507-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66507-1-Ig (CNOT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66507-1-PBS in a different storage buffer formulation.