

For Research Use Only

# CNOT1 Monoclonal antibody, PBS Only



Catalog Number: 66507-1-PBS

Featured Product

## Basic Information

**Catalog Number:**

66507-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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, IF, IHC, 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

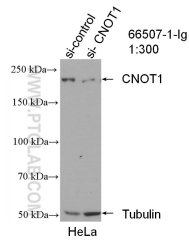
For technical support and original validation data for this product please contact:

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

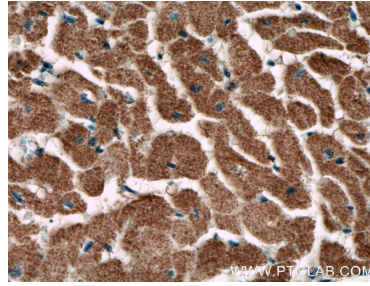
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

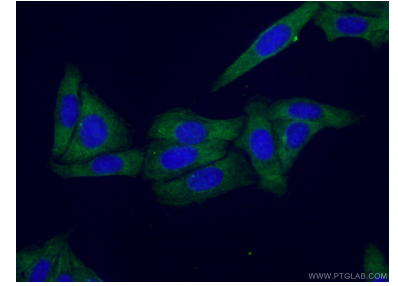
## Selected Validation Data



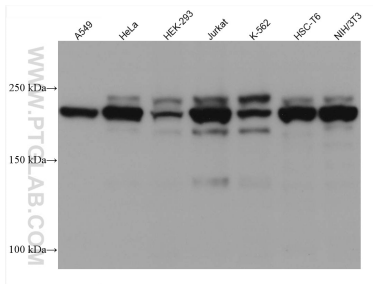
WB result of CNOT1 antibody (66507-1-Ig; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNOT1 transfected HeLa cells. This data was developed using the same antibody clone with 66507-1-PBS in a different storage buffer formulation.



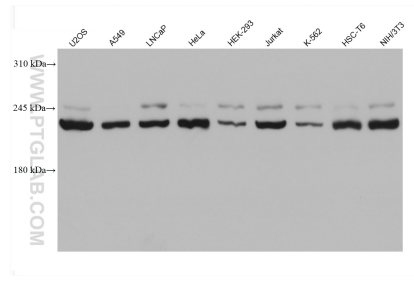
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66507-1-Ig (CNOT1 antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 66507-1-PBS in a different storage buffer formulation.



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.