

For Research Use Only

CNOT1 Monoclonal antibody

Catalog Number: 66507-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number: 66507-1-Ig	GenBank Accession Number: BC040523	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23019	CloneNo.: 1A10A11
Source: Mouse	UNIPROT ID: A5YKK6	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: CCR4-NOT transcription complex, subunit 1	
Immunogen Catalog Number: AG5623	Calculated MW: 267 kDa	
	Observed MW: 240-250 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IF

Species Specificity:
Human, mouse, rat, pig

Cited Species:
human, mouse

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 : U2OS cells, A549 cells, HEK-293 cells, human cerebellum tissue, pig kidney tissue, mouse kidney tissue, HeLa cells, LNCaP cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

IHC : human heart tissue,

IF/ICC : HepG2 cells,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Roy Matkovic	35013187	Nat Commun	WB
Aishe A Sarshad	30146314	Mol Cell	WB
Nicolas Curdy	36884350	Cell Rep	WB,IF

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

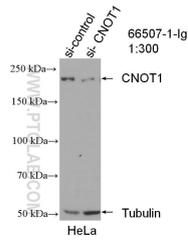
For technical support and original validation data for this product please contact:

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

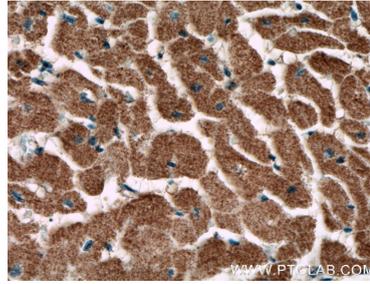
E: proteintech@ptglab.com
W: ptglab.com

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

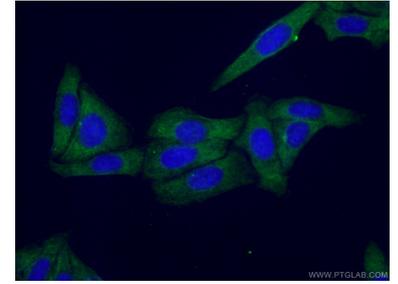
Selected Validation Data



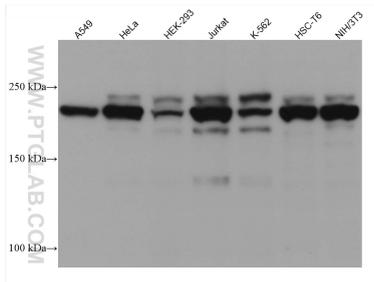
WB result of CNOT1 antibody (66507-1-Ig; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNOT1 transfected HeLa cells.



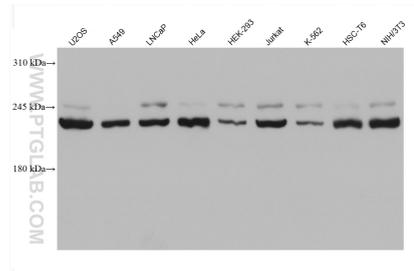
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66507-1-Ig (CNOT1 antibody) at dilution of 1:200 (under 40x lens).



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).



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.



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.