

For Research Use Only

CNOT9 Polyclonal antibody

Catalog Number: 22503-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

22503-1-AP

Concentration:

367 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18197

GenBank Accession Number:

BC007102

GeneID (NCBI):

9125

UNIPROT ID:

Q92600

Full Name:

RCD1 required for cell differentiation1 homolog (S. pombe)

Calculated MW:

299 aa, 34 kDa

Observed MW:

30-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP, ColP

Species Specificity:

human, mouse, rat

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 : HeLa cells, MCF-7 cells, mouse thymus tissue, HepG2 cells

IP : MCF-7 cells,

IHC : human stomach cancer tissue, rat colon tissue

IF/ICC : HepG2 cells, hTERT-RPE1 cells

Background Information

RQCD1, also known as CNOT9, is a highly conserved transcriptional cofactor predominantly expressed in actively differentiating tissues like testis and thymus. It is a component of the CCR4-NOT complex, the major effector complex in miRNA-mediated gene silencing. Overexpression of RQCD1 has been reported in several tumors, indicating that it may be a potential molecular target for cancer treatment.

Notable Publications

Author	Pubmed ID	Journal	Application
Alberto Carreño	35920669	Mol Cell Biol	WB, ColP
Marta Mauri	27604873	Nucleic Acids Res	WB
Jessica Sheu-Gruttadauria	29576456	Cell	WB

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

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

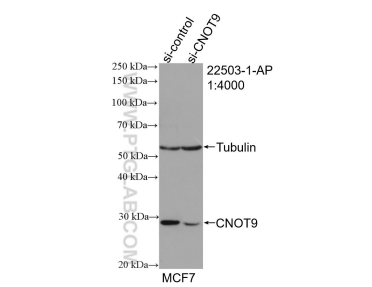
T: 4006900926

E: Proteintech-CN@ptglab.com

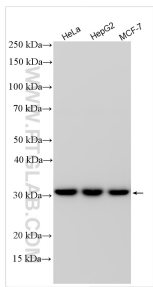
W: ptgcn.com

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

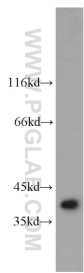
Selected Validation Data



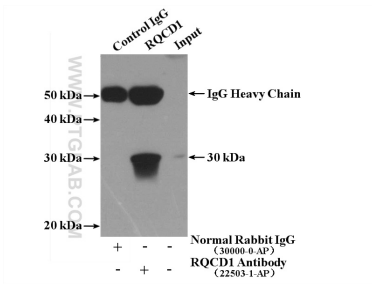
WB result of CNOT9 antibody (22503-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNOT9 transfected MCF-7 cells.



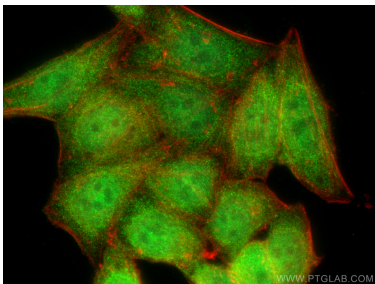
Various lysates were subjected to SDS PAGE followed by western blot with 22503-1-AP (CNOT9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



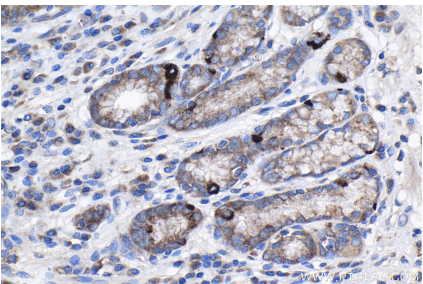
mouse thymus tissue were subjected to SDS PAGE followed by western blot with 22503-1-AP (RQCD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



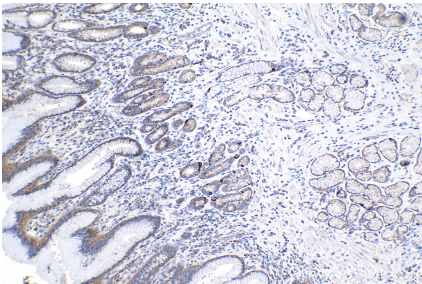
IP result of anti-CNOT9 (IP:22503-1-AP, 4ug; Detection:22503-1-AP 1:1000) with MCF-7 cells lysate 1280ug.



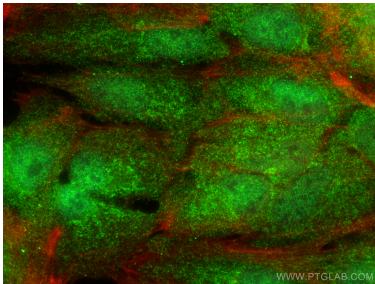
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CNOT9 antibody (22503-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 22503-1-AP (CNOT9 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 22503-1-AP (CNOT9 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using CNOT9 antibody (22503-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).