

For Research Use Only

CNOT10 Polyclonal antibody

Catalog Number: 15938-1-AP

8 Publications



Basic Information

Catalog Number:

15938-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7654

GenBank Accession Number:

BC002928

GeneID (NCBI):

25904

UNIPROT ID:

Q9H9A5

Full Name:

CCR4-NOT transcription complex, subunit 10

Calculated MW:

82 kDa

Observed MW:

82 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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 : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human colon cancer tissue,

IF/ICC : HepG2 cells,

Background Information

CNOT10, also named as CCR4-NOT transcription complex subunit 10, is a 744 amino acid protein, which belongs to the CNOT10 family. CNOT10 localizes in the cytoplasm and nucleus. CNOT10 is a component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation.

Notable Publications

Author	Pubmed ID	Journal	Application
Fabian Poetz	36096941	Genome Biol	WB
Clément Chapat	28591869	Nucleic Acids Res	WB
Fabienne Mauxion	36586408	Cell Rep	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

*** 20ul sizes contain 0.1% BSA

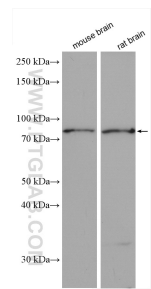
For technical support and original validation data for this product please contact:

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

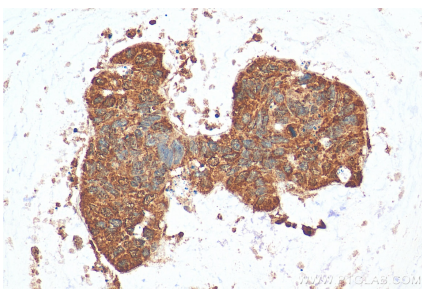
E: proteintech@ptglab.com
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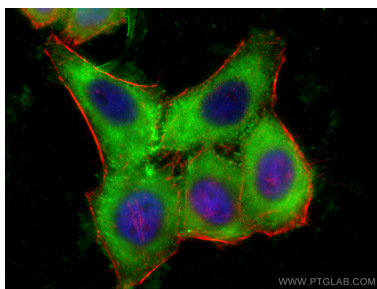
Selected Validation Data



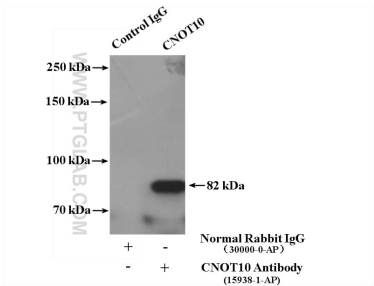
Various lysates were subjected to SDS PAGE followed by western blot with 15938-1-AP (CNOT10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15938-1-AP (CNOT10 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CNOT10 antibody (15938-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



IP result of anti-CNOT10 (IP:15938-1-AP, 4ug; Detection:15938-1-AP 1:300) with mouse brain tissue lysate 5200ug.