

For Research Use Only

CNOT10 Polyclonal antibody

Catalog Number: 15938-1-AP **8 Publications**



Basic Information

Catalog Number: 15938-1-AP	GenBank Accession Number: BC002928	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 25904	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: CCR4-NOT transcription complex, subunit 10	IHC 1:50-1:500 IF 1:10-1:100
Isotype: IgG	Calculated MW: 82 kDa	
Immunogen Catalog Number: AG7654	Observed MW: 82 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	IP: mouse brain tissue,
Cited Species: human	IHC: human colon cancer tissue, IF: HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

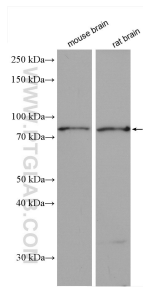
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

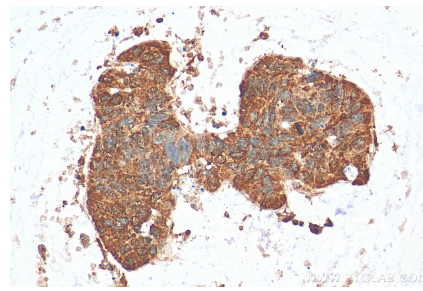
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

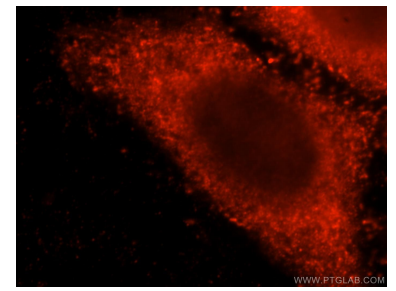
Selected Validation Data



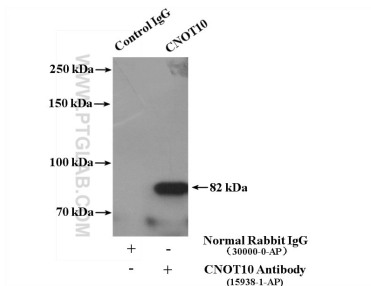
Various lysates were subjected to SDS PAGE followed by western blot with 15938-1-AP (CNOT10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 HepG2 cells, using CNOT10 antibody 15938-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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