

For Research Use Only

CNOT3 Polyclonal antibody

Catalog Number: 11135-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

11135-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1587

GenBank Accession Number:

BC016474

GeneID (NCBI):

4849

UNIPROT ID:

O75175

Full Name:

CCR4-NOT transcription complex, subunit 3

Calculated MW:

120 kDa

Observed MW:

120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: Raji cells, HEK-293 cells, HT-1080 cells, human brain tissue, K-562 cells, mouse brain tissue

IP: HeLa cells,

IF/ICC: HeLa cells,

Background Information

The CCR4-NOT complex, the major deadenylase in mammalian cells, shortens the mRNA poly(A) tail and leads to the destabilization of mRNAs. The CCR4-NOT complex plays pivotal roles in various physiological functions, including cell apoptosis, proliferation, and metabolism [PMID:22342980]. CNOT3, belongs to the CCR4-NOT complex, has a critical role in maintaining mouse and human ESC identity as a protein complex and inhibit differentiation into the extraembryonic lineages. It is also involved in the regulation of the spindle assembly checkpoint [PMID:22342980,22367759].

Notable Publications

Author	Pubmed ID	Journal	Application
Ewan K S McRae	31653714	RNA	WB
Lin Jing	31177396	Apoptosis	WB
Clément Chapat	28591869	Nucleic Acids Res	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

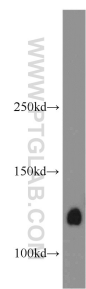
For technical support and original validation data for this product please contact:

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

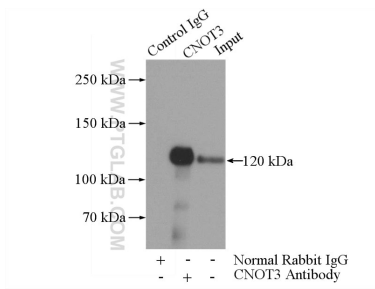
E: proteintech@ptglab.com
W: ptglab.com

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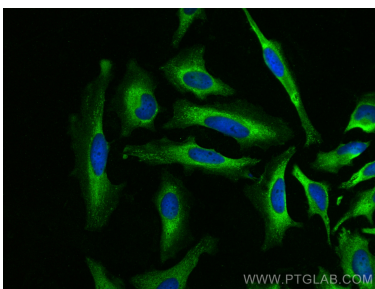
Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 11135-1-AP (CNOT3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-CNOT3 (IP:11135-1-AP, 4ug; Detection:11135-1-AP 1:1000) with HeLa cells lysate 3200ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CNOT3 antibody (11135-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).