

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)

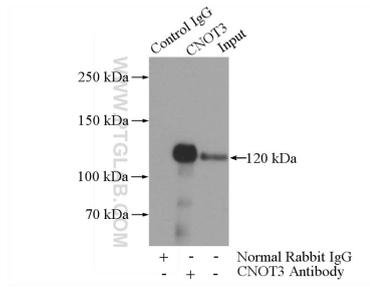
E: proteintech@ptglab.com
W: ptglab.com

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

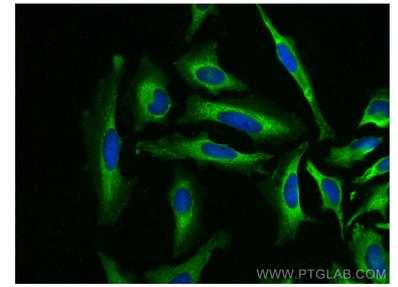
Selected Validation Data



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).