

For Research Use Only

CNOT2 Polyclonal antibody

Catalog Number: 10313-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

10313-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0347

GenBank Accession Number:

BC002597

GeneID (NCBI):

4848

UNIPROT ID:

Q9NZN8

Full Name:

CCR4-NOT transcription complex, subunit 2

Calculated MW:

60 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, pig

Positive Controls:

WB : NIH/3T3 cells, HEK-293 cells

IF : HEK-293 cells,

Background Information

The Ccr4-Not complex is evolutionarily conserved and controls gene expression both at the level of transcription initiation and of mRNA degradation. And this complex can regulate pol II transcription. Promoter targeting of CCR4-NOT transcription complex subunit 2 (CNOT2) results in strong repression of pol II transcription. CNOT2-mediated repression is sensitive to the HDAC (histone deacetylase) inhibitor, TSA (trichostatin A).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaofeng Zheng	27746116	Stem Cell Reports	WB
Dina Mostafa	31924127	RNA Biol	WB
Qing Chen	37873304	bioRxiv	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:

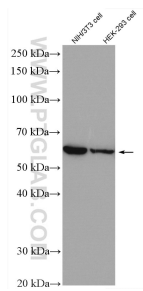
T: 4006900926

E: Proteintech-CN@ptglab.com

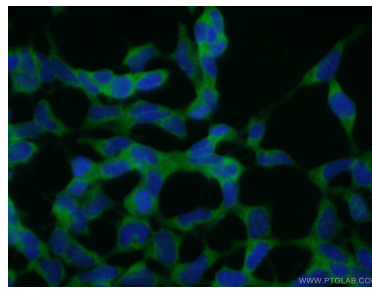
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10313-1-AP (CNOT2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HEK-293 cells using 10313-1-AP (CNOT2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).