

CNOT2

Polyclonal ANTIBODY

Catalog Number: 10313-1-AP

Featured Product

4 Publications

Basic Information

Catalog Number:
10313-1-AP

Size:
330 µg/ml

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG0347

GenBank Accession Number:
BC002597

GeneID (NCBI):
4848

Full Name:
CCR4-NOT transcription complex, subunit 2

Calculated MW:
60 kDa

Observed MW:
60 kDa

Recommended Dilutions:

WB 1:1000-1:6000

IF 1:50-1:500

Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : NIH/3T3 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 Mbstafa	31924127	RNA Biol	WB
Kamon Masayoshi M	24200330	Stem Cells Dev	WB

Storage

Storage:

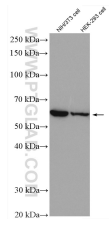
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

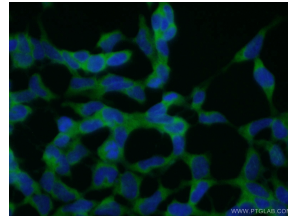
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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)