USA: proteintech@ptglab.com

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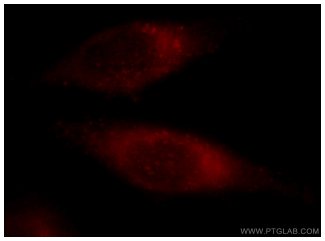
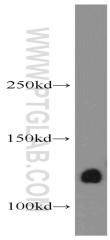
CNOT3 Polyclonal Antibody

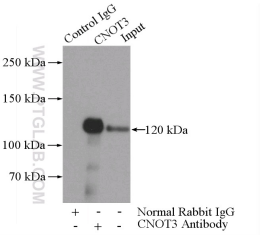
Catalog number: 11135-1-AP
Size: 43 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
CNOT3; CCR4 associated factor 3, CNOT3, KIAA0691, LENG2, NOT3, NOT3H



Immunofluorescent analysis of Hela cells, using CNOT3 antibody 11135-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Raji cells were subjected to SDS PAGE followed by western blot with 11135-1-AP(CNOT3 antibody) at dilution of 1:500



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

Background

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].

Applications

Tested applications:	**ELISA, WB, IF, IP**
Cited applications:	**IF**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Mouse**
Caculated CNOT3 MW:	**120 kDa**
Observed CNOT3 MW:	**120 kDa**
Positive WB detected in	**Raji cells, HEK-293 cells, HT-1080 cells, human brain tissue, K-562 cells, mouse brain tissue**
Positive IP detected in	**HeLa cells**
Positive IF detected in	**Hela cells**
Recommended dilution:	**WB: 1:200-1:2000** **IP: 1:500-1:5000** **IF: 1:10-1:100**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag1587**
GenBank accession number:	**BC016474**
Gene ID (NCBI):	**4849**
Full name:	**CCR4-NOT transcription complex, subunit 3**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**