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CNOT8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6521b

Product Information

Application	IHC-P, FC, IF, WB, E
Primary Accession	Q9UFF9
Other Accession	Q9D8X5
Reactivity	Human, Mouse
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33540
Antigen Region	227-255

Additional Information

Gene ID	9337
Other Names	CCR4-NOT transcription complex subunit 8, CAF1-like protein, CALIFp, CAF2, CCR4-associated factor 8, Caf1b, CNOT8, CALIF, POP2
Target/Specificity	This CNOT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 227-255 amino acids from the C-terminal region of human CNOT8.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 IF~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CNOT8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CNOT8
Synonyms	CALIF, POP2

Function	Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. Its function seems to be partially redundant with that of CNOT7. Catalytic component of the CCR4-NOT complex which is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. During miRNA-mediated repression the complex also seems to act as translational repressor during translational initiation. Additional complex functions may be a consequence of its influence on mRNA expression. Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti-proliferative activity.
Cellular Location	Cytoplasm. Nucleus

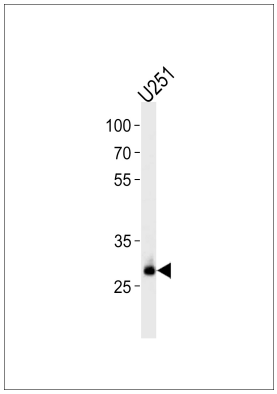
Background

Ubiquitous transcription factor required for a diverse set of processes. The CCR4-NOT complex functions as general transcription regulation complex.

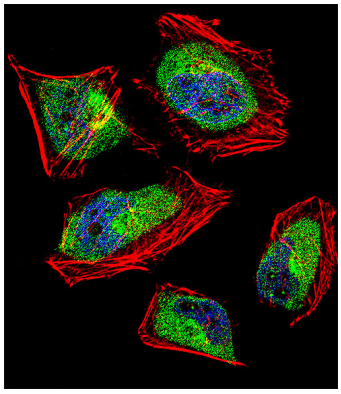
References

Morel,A.P., J. Cell. Sci. 116 (PT 14), 2929-2936 (2003)
Prevot,D., J. Biol. Chem. 276 (13), 9640-9648 (2001)

Images

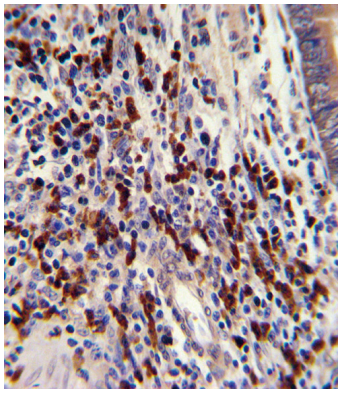


CNOT8 Antibody (C-term) (Cat. #AP6521b) western blot analysis in U251 cell line lysates (35ug/lane).This demonstrates the CNOT8 antibody detected the CNOT8 protein (arrow).

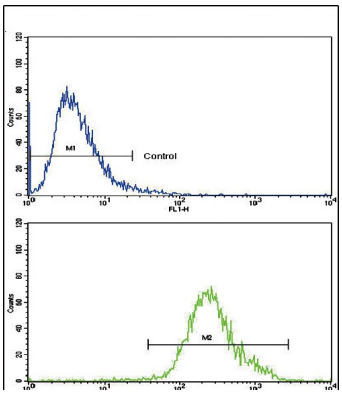


Fluorescent confocal image of Hela cell stained with CNOT8 Antibody (C-term)(Cat#AP6521b).Hela cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with CNOT8 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). CNOT8 immunoreactivity is localized to Cytoplasm significantly and Nucleus weakly.

Formalin-fixed and paraffin-embedded human colon carcinoma with CNOT8 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical



relevance has not been evaluated.



Flow cytometric analysis of CEM cells using CNOT8 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.