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CNOT8 Rabbit pAb

Catalog # AP98499

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UFF9
Other Accession	Q9UFF9
Reactivity	Rat
Predicted	Human, Mouse, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33540
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CNOT8
Epitope Specificity	151-250/292
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CAF1 family.
SUBUNIT	Subunit of the CCR4-NOT core complex that contains CHAF1A, CHAF1B, CNOT1, CNOT2, CNOT3, CNOT4, CNOT6 and CNOT8. Binds BTG2.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The CCR4-NOT complex is an evolutionarily conserved, multi-component complex known to be involved in transcription as well as mRNA degradation. Various subunits within the complex are involved in influencing nuclear hormone receptor activities. The CCR4-NOT complex is also involved in the regulation of Histone H3 lysine 4 methylation through a ubiquitin-dependent pathway that likely involves the proteasome. CNOT8 (CCR4-NOT transcription complex subunit 8), also known as CALIF or POP2, is a 292 amino acid protein that localizes to both the nucleus and the cytoplasm and functions as part of the CCR-NOT complex. Expressed ubiquitously, CNOT8 plays a role in transcriptional regulation for a diverse set of processes.

Additional Information

Gene ID	9337
Other Names	CAF1; CALIF; Caf1b; POP2; hCAF1; CNOT8_HUMAN; CNOT8; CAF1-like protein (CALIFp); CAF2; CCR4-associated factor 8; 3.1.13.4; CCR4-NOT transcription complex subunit 8; CCR4-NOT transcription complex, subunit 8; PGK promoter directed over production
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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

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